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3236

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&lt;400&gt; 3634

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cgggctccgg ncaccgtnc tgccttgaat ctgcccgcgg cggcccggtg tgtgttttgt 180
gctgtgtcca cgcgctaagg cgacccctc ccccgactg acttctccta taagcgnttc 240
ttttcgcata gtcacgtaac ttcccacccn ancctnttcc tgtgtntnaa gnaattttta 300
ataatctaan aatttanang gntttttttt ntttggncaa aaaataatta aaangttttt 360
ttttnaaaaa aaaaaaaaaa aaaatttngg ggggggggnc cgaanccat ttggccctaa 420
nggggggggg                                     429
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&lt;210&gt; 3635

&lt;211&gt; 497

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

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&lt;221&gt; misc feature

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&lt;221&gt; misc feature

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&lt;221&gt; misc feature

&lt;222&gt; (358)



3237

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&lt;400&gt; 3635

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gagcctggag catccggtac ttgccctatg ggagagggga cgctggagga gtggctgcat 180
gtatctgaat aatacagacc ctgtcctttc tcccagtgct gggattttctc catgtgaggg 240
ggcagcagga caccagggga tctagcgtgg gggaggagag gaggcctaag agaaaatgac 300
cattncaaag cctgcccttc attgggtctg gtttcaagtn ttccaaacca gntttggntg 360
gttagcagag acttcaaggg tgntncagcc aaacgtnttt ggggcattac catgacctgg 420
gnngggggaag gtgnacntnn ggacgtttga gggttccagc ntaggnagcc aggggccttg 480
nacaaaaagg ggggttg                                     497
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&lt;210&gt; 3636

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gctctgctgc tcgtttcccc nacngagaaga agaagtacac ggccaccaag gtcgtctact 180
ccncgcccgn tccaccggcc cnngaagcca gcctnggcac agttacgacc ncaagactac 240
gtgtnaaggg acagangcaa ggtagaccnc accaccanca ccancagcat naacancatn 300
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ttgncaagt ctatttttt 379
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ctgtatcatg tttgctttgt acagctttta tggaaaaagg aaaggaaaga atacatatga 180  
aaagaaggca gtccttggc actgcctgtt ctcaatgctg tgtgctgtgg actggggaca 240  
ctttaattac cacgtacaat tttatggact gttcatgaga agcttctttt taactttttc 300  
atggattgcc gttaaaggna aatatagaag gatagaagag gntttttcan cacgttgggc 360  
aggaactggt ccnccttgt ctatgggtta gaggctgnaa actgncccag gttcnatctt 420  
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3245

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tcagagttaa agttttcaga atgagagcac gtaccaggag tntcctcagg gttgggtttgc 180  
tcaggtggaa tggggcagaa ggccacggac tgacgggtga agagacttag gccaggagg 240  
ggatgggtca cccctgaat gctgaagtca tccagggtgg cagcaggagg tgatgcctgg 300  
gagagattga ctagtgggtc agtaaggag aaaagaaagg aggggcgtn ntaaccttta 360  
gaaggttggt cccttcggga ggatngnttt tagcacgttg gttcaaaatt tncnnctgn 420  
agggaggcaa gatttncatt t 441

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3248

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caagattttg naagatgnat gcaattgcct ggagatgaca aatcctaggg ccatgactat 180
gtgnagtagg tggcagaggt ggggtggagga agaaatggtc agagctacta ggccnaagag 240
ctaaagggcc agagttnata gagattccac cttcatggaa tgctggaatt tggccaagaa 300
tgntttttcg acagagagga gaagaggaag aagtaagccc agacattcca agtttatcca 360
ttcattttatt aaccancaaa ttatttacag ncanttacnt ggcncctttna aatttttccc 420
aancaccntt ccntgttact ttcaggngtt tttaccccc ttttaatctt nnancctttn 480
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3249

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agtggctctc tctgggccct ggccctggaag acccncctgt ttccctgggtgg gcaccacgag 180
ggggcaggna cacatgggtnc ttccatttca cctctgttgg cctcctcccg gtggtatttn 240
accgttgact cccatgcttg aagggtgggtc tgtaaatggc cgaggggaccc tgancattna 300
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<213> Homo sapiens

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3250

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tgatatgttg acacttgga gggactagag atgtaagtaa acaatctcaa gcgtagatta 180  
tatggcaata tgcaggggtcc cactgctagc taggtagtgc tggagcctgt gtgcactctg 240  
gctnctaaac antgnncang cttncagctg gcaccacata ctatgnacat gttttctggg 300  
aaagtttcct tggaaaaatg actgttnagt aaaat 335

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## 3251

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gtagagacaa cggttgantt gggccttggt gatgagtaaa gcttcatgaa aaacttaata 120  
tgttgccctt attttttaca ctttgcagag gactgacgtt attttccata ctggcatgtg 180  
ggaagctgtc actgacttat gacttgtnca ttcattctaa taaagtgacc tcacagatgt 240  
gtttataaat gcattaaaat ccaggcatgt tttcagagaa agttttttaga atataaatgt 300  
tataatgtnn naaccacgnc ctttttttcc 330

<210> 3643  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

3253

<223> n equals a,t,g, or c

<400> 3643

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aattcggcag agggaaccag gtcctgcac ggcacccacg caggtgtccc ggtctgcata 60
agcctcgtgt gcctttgtaa agtccaccta cacttttgaa ccagctctcg ctgcccgcac 120
gtntttggcg ctgtgctagg ggcgggagtt cttccagact cttggaccag nccgccctga 180
ccaccagntc tacttcccaa cccccactgc ctgagaggtc tctatcagtg tcctgcctga 240
attctttcct tcaagtgaag atgtgactga ctanctctc gagttgttna tgaggntgaa 300
agaatgggna ttaaaagcat ttggtttaaa gtnnggtgntc aataaaattg ttagtggnnt 360
ttattcaaaa aaaaaaaaaa aaatttgggg ggggggncgg                               400
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<210> 3644

<211> 426

<212> DNA

<213> Homo sapiens

<220>

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<222> (282)

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<220>

<221> misc feature

<222> (319)

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<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

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<222> (349)

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<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c



3254

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<222> (403)  
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<220>  
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<222> (411)  
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catgactaat cctcaattgg aaatgccac cattgatgtt cttcacttag agaaacattc 120  
tgatgcacct tttcaaaact gtttttatgt ttctgttaa gttatgcaat gtctctactt 180  
gggaaaaagt ttggaagggg acatttgtaa ccatacttac gtattttttg atgtttctcc 240  
attacttttc attcatgtgg gctgggcata taggaaacca antattaaaa caaggtgggc 300  
acaagagtgt atgtggggnt gagtaaggaa aatgggaaagc cagnaacant ntttattaca 360  
caatggcatt ncncattttt ggaaaacagg ctgttgggac ccngccctgt naaaggaagg 420  
tttggg 426

<210> 3645  
<211> 318  
<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (249)  
<223> n equals a,t,g, or c

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<220>

3255

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<220>  
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<222> (316)  
<223> n equals a,t,g, or c

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caggatcatg ggtccctcgg agacccttt ctctgtccct gaggaatatg tgagaaccag 120  
acggctcatt ttacgtcctt tgagaagaca gctgcgggga cgtcttagga tgattcactg 180  
aggccagtca gtggtgggac caagagctct ggggaacata atttctatca gcctggcgctc 240  
ttacttggn cccccctcca ctccctnacc caccctggc aacctgtgg tctttntttt 300  
gtgttagacc atcagntt 318

<210> 3646  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 3646  
aattcggcac agcttaatca cccttgctcc tcttgggtgc ctggaagatg gactggcaga 60  
gacctgtttg ttgcgttttg tgctttgatg ccaggaatgc cgcctagttt atgtccccgg 120  
tgggggcaca cagcgggggg cgccaggttt tcttgtccc ccagctgctc tgcccccttt 180

## 3256

ccccctcttc cctgactnca ggcctgaacc ngccccgtgn ctgtnaataa atctttgtga 240  
aattaaaaaa aaaaaaaaaa aaaactcggg gggggggcccgtaccaaantt gggccctt 298

<210> 3647

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

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<220>

<221> misc feature

<222> (130)

3257

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

3258

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<222> (319)  
<223> n equals a,t,g, or c

<220>  
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<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (569)  
<223> n equals a,t,g, or c

## 3259

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gccaccacgg cgttgtacct gtaggactct cattcggnat gattggnata gcttctggna 120  
tttgttcaan tnttgggtat gtntaanctg tnatgtacta gtgttctgtg tgctattgtg 180  
ttgtnaatta caccataatg ctaatttaan ganactccaa atctcaatga agccagctca 240  
cagtgtctgtg tgccccgggc acctagcaag ctgccgaacc aaaaganttt gcaccccgt 300  
gcgggccac gtggttgng ccctgccctg gcaggatcatn ctgtgtctcg aggccatctc 360  
gggcacaggc ccaacccggc cccaaccctc cagaacaggc ctcacgttac tcaancatcc 420  
tggtctgng tctgtctgaa acagcngggg cttgaggacg tttgtctgtc gtgatgggca 480  
aggcaaaagt ctggatgttg tgtgtatcga gaggccaaag nntgtggcaa tgcaagggga 540  
aanccgattt gtcctngtga agcggcaant ctgaagggt 579

<210> 3648

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

## 3260

&lt;400&gt; 3648

gcacaactgc ttagtagatg nttctgagta ttacaaaaat cactgggttat tacctgcagg 60  
atattaaaaa acatttgaaa aagagaaaaa gaactatcag cgtttagaaa tgatgataga 120  
tattgaatct ttgaattgaa ttttaacaat ncattctagt aatcagagtn tacttnttnt 180  
atacaacang g 191

&lt;210&gt; 3649

&lt;211&gt; 465

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (411)

&lt;223&gt; n equals a,t,g, or c

3261

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3649

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tcgacccacg cgcccgccca cgcgtccgcc caccgcgtccg cccacgcgtc cggattaaac 60
acacactctg ctattttttc acttccttga ggtagaagtc gagtatgagg cagttatttt 120
ttagagtgtg gaattatagt ctttccttgc tcctagtatt tctgtatatc tttactttgt 180
aggtaaaaat aaatgtttat ttaaaacaat ttttaaaatt ataaatttat ttttatagcc 240
atatgtagga tataaagatt tatatagatt atatactcaa gctacttaat gcnttaattc 300
tagctactca ncnnгааата gtaaacagtt ttacggaaat aaactctaca gacagatgcc 360
gtangaggag ccntggaagt agaaangtat tcgccttgca cacggagtgg ntttagccga 420
caaccccagt angttncat aacggccata ccttggaat ccacc 465
```

&lt;210&gt; 3650

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c



3262

<220>  
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<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
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<222> (242)  
<223> n equals a,t,g, or c

<220>  
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<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 3650  
ggcacgaggc gaggcctcac anccggcgct ccaagttcgg ggctggaggc gtcccggctt 60  
cctccctccc ggagacggga ccggncccg ccccgcgccc cgggtcgctc ccggcggccc 120  
ctanccacct nctgagtcct ggcctccccg ggcgcanaca ntcccagccg gccgnagcct 180  
ggacacgccc ngggcccccc agtctcccg ggctgctccc ccaggcatgg cacaggggcc 240  
tngtctgnac tatgggcagc agcacgggga caagnanggt tcgtatttga tgcttggggg 300  
gncaaaagtt gatggt 316

<210> 3651  
<211> 191  
<212> DNA

3263

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (163)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3651

```
gagaaaggac actctggact tcagccaaca ggactcttga gctgaagtgc agatgaccac 60
attcaaggaa gaaccttctg cccagctnt gcaagatgaa aagctntccc acttggctct 120
tatacttcca caagagcttn gncaggacca ggttgntact ggntcagcaa ctctgcagaa 180
aatgtcctcc c 191
```

&lt;210&gt; 3652

&lt;211&gt; 426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

## 3264

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<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

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<220>

<221> misc feature

<222> (357)

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<220>

<221> misc feature

<222> (385)

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<220>

<221> misc feature

<222> (418)

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<220>

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<222> (420)

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<220>

<221> misc feature

<222> (424)

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<400> 3652

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aggtaagatc ataacaatgt ctcatgatgt aaaaaatatt aaagatatca atactaagtg 120
acagtatcac tctaataataa tatggatcag agcatttatt ttggggagga aaacagtggg 180
gattaccggc attttatttaa acttaaaaact ttgtagaaag caaacaataa tgttcttggg 240
agaaaatcaa ctttttagatt aaaaaaattt taagtatcta ggagtattta aatccttttc 300
ccatanataa aagtacagtn ntnttggtgg cagaatgaaa atcatgcaac ttctagnata 360
tagactatat aatcagattg acagnatata gaatacattt atcagactag aagatgangn 420
ttanaa                                     426
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3265

<210> 3653  
<211> 710  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
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<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

3266

<220>  
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<222> (179)  
<223> n equals a,t,g, or c

<220>  
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<222> (194)  
<223> n equals a,t,g, or c

<220>  
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<222> (196)  
<223> n equals a,t,g, or c

<220>  
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<222> (202)  
<223> n equals a,t,g, or c

<220>  
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<222> (207)  
<223> n equals a,t,g, or c

<220>  
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<222> (209)  
<223> n equals a,t,g, or c

<220>  
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<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
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<222> (221)  
<223> n equals a,t,g, or c

<220>

3267

<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
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<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3268

<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
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<222> (370)  
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3269

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<220>

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3270

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3271

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 tgcacagtgn ttgttttcct gtnttgnact tacnantaag gnctatggga gtaccatgna 180  
 aaacgtttgc tgnantcct tntttntna anngttttng ntnaaaattt gatcgnetta 240  
 actactgcna acatagccta tttttgggct taanaanctg natnggaaac tntcnncgtg 300  
 cagatgctgn actgttctag aagnntttng ntaaangggc tnctaatttg antgtaatgg 360  
 cntttaaagn atacaatcna acnttaaaaa gntgnnaaaa nggncttgga accntatctt 420  
 tagttacttg aagagtttct agttttttta aaatacagnt tatgttaaaa taatttttat 480  
 taatttagan aagacaatna atggctgtga gaaaaacgga tttcttttgg aatttcnttt 540  
 tgnggccatt gtnaangaat ngtttttcnt ttntaancga caattttcct ttgggttaaaa 600  
 cttaaantgg acatttaant tttggcaatc taagagggtta atttctgagg gggaanactt 660  
 ataagcngtt aagtttgcct ntgggggntg ggaaatttta aactggggcn 710

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 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

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<220>  
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<220>  
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<223> n equals a,t,g, or c
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<220>
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<222> (618)
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| <400> 3654 |            |            |             |            |             |     |
| gatctaacaa | aggcaaaaag | gagaaaaagg | ggtactatga  | attaaagaat | aaaagatgga  | 60  |
| tcagattatt | tgaagagaaa | cctcatcata | tcccacaacg  | ggaacaggaa | aaaaaaaaaca | 120 |
| cacaatacat | tttanagaag | tggcaagaca | aaggaaaagca | ggtttaggct | cccaaaggag  | 180 |
| ggacctctga | gaagttacct | ccacgaagca | nctcggctgg  | tgccagagag | aacatcggta  | 240 |
| caggtctggg | aatttccttg | ggagctggcc | ccaagccaca  | gccctcccca | gctccgtagt  | 300 |
| ttgnttggtc | ttcctctcct | gggctcaatc | atcttgga    | agcctcactg | canggaaaac  | 360 |
| ccctggggag | acacagggct | tgctttccca | gcagaaggtc  | agtgtctgaa | gagaaactgg  | 420 |

## 3273

gggtcccccga gggaccagat tcggctccgg tggtaagggtg ccccagggtgg cccaatagga 480  
gaggttatct tctgggagct cttccaggag gaggccacag tgcttgggcc aagnttctnt 540  
cttgaagaat ccaagcataa ggagcctttg tttggganca naggagccct gngccttctt 600  
gagtcaccca ccagctcnag tgccttgac ctgg 634

<210> 3655

<211> 507

<212> DNA

<213> Homo sapiens

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<222> (14)

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<222> (81)

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<220>

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<222> (289)

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<220>

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<222> (334)

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<222> (360)

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<220>

3274

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 aattctctctt ccatggcctt ttggagtccc ttgctgtatc tccgaagtaa atttcaatta 180  
 ctctacattt catcaatgtt ggagtggcaa gaaaaaggag gaacagattt ggggtgaaaa 240  
 gttttgtttt ctagggtctaa caaactgtaa aatgttnaaa atagcanana tgggtgaaaa 300  
 aaaaaccaga gccctttgga ctttcgcgaa aganttttca aggattacct gcttcagcan 360  
 accccatcnt gtgaccttga tttctggatc aagttatgtg ggggacaaac gaagcacagg 420  
 ctcttcagggt atgctggaac agatggtgga tcaaaatgga cttnatcacn catctgtnga 480  
 agttnccttg gattgaaaaa ctcanga 507

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3275

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<222> (432)  
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<220>  
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<222> (433)  
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ttttcagctc ctccacacct actcacttgc aatacttgtc ataacaggaa gccagtttca 180  
tatactgtaa tccccaaaca cattgcaccc acacgtgggg agcgtgaggg gctgagcgag 240  
gagcgaggag gccaggcctt ccaaaaactg gaggggctga gcactgagcc gctcccaagg 300  
tggggcgctc ccactcccaa gcccaggatt cagaagccag aatccacatc cagacattct 360  
tggttttcctt tctcatgcag ttgctggtga ctnttttttt ttttaataaag catttgagta 420  
ggcaaaanan ann 433

<210> 3657  
<211> 378  
<212> DNA  
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3276

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ctgttttgggt gtgtatgtgt gtgccaccta cccatgcttg tctctgcgcc ccggcgcacc 120  
tggcggggtc ccggcaggaa gtgcagcggc ggctgggtgg ctggaccgga ccagagctca 180  
gtgcttttgg ggaactggtg ttggagggcg cgttccgagg aggcggaggg ggtggccccc 240  
ggctacgagg gggtgagcgg ntgctcttcc tgttctctcg gatgctgntg gtggccaagc 300  
gcagggggct ggagtacacc tacaaaggcc acatcttntt gagtttgggg atggggtggg 360  
gctanaatac tacctacn 378

<210> 3658  
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<212> DNA  
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3277

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<222> (280)  
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<220>  
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angaaaccCa taatgtnagg atacttgatt tttatatnca gataattcct tcatgcactg 120  
aatggaagac agtatatctg tatattaatn tttgttnaga ttatgaatca ttttaaccctt 180  
atcctttatt cttgtaataa gactatttaa tgggggttctc ttgtgatntc catctttatc 240  
aatgcattcg tgttggtcct gatgtatact acctgngntn an 282

<210> 3659  
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<212> DNA



3279

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<220>  
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ttaatttata gcaaccattt gttacctaata cacagtaaca caacaaaata attagtgtat 120  
canctttgaa gatctcattt cacaaaagct aaaaaacacg ttatgatata tccattactc 180  
aaactcataa gcccttttgc atgcattggg catagatttc atggaaaatc aaaagcattt 240  
agtctacttt ctgacatttt catctgntct ttgaactacc ttaataaaaa aaaattgttg 300  
cccttatgta ggggtcaagt acgtttgtct gtctgaaaat ttccttggat cagcttattt 360  
ctgngnaact tatgtctttg gtatacagct atttgccttt ttaactgatt tttaacagga 420  
tactttacct tgggacttgg aacacttaat gnaagcttat aaannncat gaaccattn 479

<210> 3661  
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<212> DNA  
<213> Homo sapiens

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3280

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<222> (169)

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<222> (330)

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## 3281

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<222> (468)  
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<220>  
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<222> (469)  
<223> n equals a,t,g, or c

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ctctgcaatg tcattctgtg gatcatgcct gccttcgggg cccgccctca tttcagcaac 120  
acagtggagg tggatttcta cggntactcc ctctggggcg tcatcagtna acatctgcct 180  
ccctttcggc atcttctacc gcatgcacgc tgtgtccagc ctgctggagg tctacgtgct 240  
gtcctgaggc ctccaacaga ggcattgggg gcaggaagag ggggctcagc tcatgtgccc 300  
actcagacac cctntgggaa tgaatccan ctggtgccat atgacagccc atttccttct 360  
gggtcccaan tggaattttc acaaaagtta tttttccagg ttcaattttt aaatcacagt 420  
caggacangc ccattcaccc cagnattaac gtggggcatt aaggngannt ggggaaaggg 480  
agaccttttc t 491

<210> 3662  
<211> 64  
<212> DNA  
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<220>  
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<222> (32)  
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<220>  
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<222> (36)  
<223> n equals a,t,g, or c

3282

<220>  
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<222> (52)  
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<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<400> 3662  
ggactagttc tagatcgcca gcggacgntc gngatntgga aatattttga gnnctgtct 60  
gccca 64

<210> 3663  
<211> 100  
<212> DNA  
<213> Homo sapiens

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<222> (58)  
<223> n equals a,t,g, or c

<220>  
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<222> (72)  
<223> n equals a,t,g, or c

<400> 3663  
attatgggct aggggnnctg ggggaccggg tgcaggggcc cttagctcgt ntctcgantc 60  
cgccccgaata tnaatttgga acatgttggt gagttacctt 100

<210> 3664  
<211> 445

3283

<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

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acagcagcag atccatgggtc tcatcagtggt ccttgtagct ttgtgcagca gttccgggct 120  
ggaagacaga tacagctgga cagagctcct gaaaacattt caaaataccc cctccccctg 180  
ccctgccctg cctttgggggt ccaccggcac tccagttgga tggcacaaca tagtgtatcc 240  
gtgcagaagc cgagctggca ttttcaccag tgtanccaag ggcctttgcc aagggcagag 300  
caggtggagc cctctgcctg ccctatcaca catacgggta cttgcttttc actgtgatgt 360  
ttaagagaat gtatgaacag tttacatttt ccttanaaat acattgatgg gatcacagnt 420  
ggctttaaaa ccancaacaa tctnn 445

<210> 3665  
<211> 387  
<212> DNA  
<213> Homo sapiens

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3284

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<222> (363)

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tgttacctca gggactctat ttaaagtgtt gctttttctg cagcaccgct tggggaaatc 120  
ctgtcaggat gaaaaggaaa gttggagatt ttttaaatec ctcttcgctt tgctttattt 180

## 3285

tcaagtaccc aaacttggtt tattcttttt ttcctttaat cttgaaggct tacccttggg 240  
gggaattggt tggggccaag ccaaggcccc ccttggaact tccccaagaa aaatggnctt 300  
gaaaggggtc cccttctttc ccaagggggg aagtttcccc ttggggggaa gccaaggaan 360  
ttnnnaaagg ggccttatt ttcccc 387

<210> 3666

<211> 138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<400> 3666

## 3286

agtacnngga agtangggca ctcggtggaa aagattggac atagttgcac tcacantcat 60  
tnacattttg accatgttgt gctcaacaag agtacagatc acaacgagac nctgcggaan 120  
tctcncagac taccgtta 138

<210> 3667

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature



3287

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3667

```
gaaaantnga aattctcaag cagtttttatt caattagaac tttgcaaata tcaaattgtc 60
cgtatccttc tggattcttg tctgaacatt gcttatctgc gtacatatca cagtgttttc 120
acatagggat tgctgtatgt tgaagtagtt gaggtgtaat agccatataa tctaattgtga 180
tccatctgaa taggcaaacc cttgcacacc tgtgtacctg ttgaacattt tcatcatttg 240
cagttttttc ttaacataag cactgttctg aatacttggtg aacaagtcac ttgggagttt 300
gntcatgggc gtgtatcttc caaagaggag tcttcacgtt caagctgggt aacacactat 360
cagctgtagc cctttcattt taaaaacatt tccagtgtctg caaattacta tgggtgattgg 420
gaattcaact nggaaatatt tttatttttt aaaaagatag tacattcata tgaatcaaaa 480
taaaatcctt aaaaagggtc atgaaaagtc ttgctnccgg ccctaccac tattctgcgn 540
aagtcaccg gttcctnaca ngaanttaaa ttttttag 577
```

&lt;210&gt; 3668

&lt;211&gt; 102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3668

```
gctctagang atccaagctt acgtacnatt gtgtgntact ggtatatatg gttctatatg 60
cgtacattaa attnatatta tntggccagt aagatttaca aa 102
```

&lt;210&gt; 3669

&lt;211&gt; 346

3288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (278)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3669

```
gattataatt tnntgtgtaa tagctattca ttccttcatt tatccaatcc tcttaaaaaa 60
atgtagctga agagtttaca caaaaataaa taagtcaagg gatgtgaatg tagtcgttat 120
gtgctgtggg agccaccctc ggttggtgctgc gtaggcaggg tgaactggta gcagtgtgga 180
ggtaaggagg tgaggcctgg aatggagaag gggggtgtca gtgagatcag tggaggctgc 240
agaggtccag caatgctgaa ggtctgaaat gaggcagnga tgggttgaag atnagangcn 300
natattaaac ttttatgagg tagaataggc aaatgttgat ggctta 346
```

&lt;210&gt; 3670

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3289

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<400> 3670

## 3290

canggnttaa antnttagna agaactggga taataaaaac agttacggag ccactttatg 60  
aagtgaagag aaatatgata acctagaggc ccaatgaggt natnttccag aangntgagt 120  
tatatttaaa n 131

<210> 3671

<211> 74

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3671

gagtgantat tggattctct ttggtatgtc aataaaagtn tatangtatg tnanaacgga 60  
tttgaggaaa aaaa 74

<210> 3672

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

## 3291

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3672

taccaggagg acgtaatgat taatnancct atcccaatgc cttgtgacta ctctacgatg 60  
actgactatg cactgctgat gcantgngct nattcactat gggg 104

<210> 3673

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

## 3292

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3673

```
ggaagttcat caatcagtggt gtctaagtggt tcaactgggta tataaccattt ttagtatttca 60
gctatctttc caacttccta aatcatcacc ttcatttgat cttgtttttt tccactatca 120
cttcttttatt gaccatataa agaataataag tgagttctta ttttggttatt gttcatttta 180
gtctaatttc atcaaaaatat cacaatcttt taatttcatt ttaatttcaa agattaaatg 240
aaacctacat agaaatgtgt gtaagatttg cattttgcatt attttggcat caatttgcta 300
tcctccctca tgcacacaga aatcatttcc accgtatgtg atttcaaaca tncaagtgca 360
gattaaaagc agttgtaaat tatggttctc attttcatga tacaattata atataancctt 420
ctcttgntgc tgtaaccaat tnccaccaac ttcatatctt accataaagt gancgntaat 480
cctaaaaaaa 490
```

&lt;210&gt; 3674

&lt;211&gt; 53

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3674

```
ggcgagcggg tttgccttta tttttanttn tcctctttnt ctggccanat cnt 53
```

&lt;210&gt; 3675

&lt;211&gt; 63

3294

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (456)  
<223> n equals a,t,g, or c

<400> 3676  
ggntnntggc tgtttcctag gcggagttag ccctttcatt tttctgcata aggctaattt 60  
atttttgcag ccagatgtgg gctgacagcc atcactcagg gcttccttcc cccgccgtta 120  
ggaggtcttg aagacagtca cgttcccat tttgcagaat ccccatcaac attattgaag 180  
atggatgtat ctttaaagca aagattgatt gtggatatcg gagttatggn gtcatttatc 240  
atggtgaata ttatttagac ttgggttgta caaggctgta acttgagaca cagccagggg 300  
agggacaacc tgaaaacgcg gatccatgaa ttttaatgga tggatgcttt tttcaaagct 360  
caactcacta tagcgtgatt tacttttctt actgcaagga aacaagcnat ttcaagnctt 420  
aaagagacag catgccantg gtcctgtctg gggggnn 456

<210> 3677  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

3295

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<400> 3677  
ggatnaagta aaggacgagc aagttcctca ggaaatcaag aaagcagcgg tcagagctgt 60  
attattctcc tctttgatgt aataaagtca gctattagat atgagaaaac catttcagaa 120  
gcctggatta aggcaattga aaacactgcc tcagtatctg aacacaaggt ctgcattgnc 180  
ttcattgnta tctttaatga ctgtattctg gtctaataac tcagttnngg ngtcctaaga 240  
agtgagcat tcagttaaga taagtagtaa aatttttttn gttntttctt g 291

<210> 3678  
<211> 231  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c



## 3296

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<400> 3678  
ggagaaaatg atatttaagc caagaactct tagaagttag ctaagaaaga gatgggaaaa 60  
tgagacgaca ttgctggagt ngataaaact gcatgtnaaa ggcaggaaga tggggaaaaa 120  
aagttcagta aagctggaat ggggaaatgt antccgggac tgaatnttaa agggctttat 180  
caacctcagt naagantttg gaccttatgt tganggtggc tgataacata t 231

<210> 3679  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

3297

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<400> 3679  
gggtcattttg aatctacatg aatgaacact ttggattttg ttgtagtttg attctagggt 60  
agaaccagtc catgctgttt ttatttttta tctccgaatt gtagaatatg ttactaacgt 120  
ttccagtgc agactggcct cgaggctgcc gggtgagnag cagattttng gtatgaatgt 180  
gaactaaacc aggcttcnn ataatagnct aggcaaatn ctaaaaanta nttagnaaca 240

## 3298

gttgtganag tataataagt gagaaagttt tgaaataata ttagaagtga aaaggaggaa 300  
aatgtatgtg naggagcagc taatcaagag gtggcttttt tancacgntg actgaagata 360  
cgtgtatgga tgactaaaac caaggga 387

<210> 3680

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 3680

gctcgtgccg aattcggcac gagggaagtg aagccccagc gagcggctgc aacggggccc 60  
tgangaacaa ccaacgggaa gcggnngcna atcngtgaac aactnggaa 109

<210> 3681

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

3299

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 3681

```

ggggaaactc ggagtacctg cagctggcct ctgtcactga ctccacacag gtgaatgtgc 60
cccgtgtctt acacttctca ggagtgggga aggtgcgaca ggctgcatgc ggtggcacgg 120
gctgtgcagt gttaaaccga naaggacatg tttttgtctg gggctatgga attcttggga 180
aaggtccaaa cctagtggaa agtgccgtcc ctgaaatgat accaccact ctctttggct 240
tgacggagtt caaccanaa atccaggttt cccgcacccg atgtggactc agccactttg 300
ctgcactgac caacaaagga gagctgtttg tatggggcaa gaacattcnn anggtgcctg 360
ggaatnngtt cgccttgaag gacc                                     384

```

<210> 3682

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

3300

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<400> 3682  
cggaagcgg ctccgagcca ggggctattg caaagccagg gtgcgctacc ggacggagag 60  
gggagagccc tgagcagagt gagcaacatc gcagccaagg cggaggccga agaggggagc 120  
caggcaccaa tctccgcgtt gcctcagccc cggaggcgcc ccagagcgct tcttgtcca 180  
gcagagccac tctgectgcg cctgcctctc agtgtctcca actttgcgct ggaagaaaaa 240  
cttcccgcgc gccggcagaa ctgcagcgcc tcctcttagt gactccggga gcttcggctg 300  
tagcnggctc tgcgcgcctt tccaacgaat aatagaaatt gttaatttta acaatccaga 360  
gcaggccaac gaggetttgc tctcccgacc cgaactaaag ctccctcgct ccgtgngctg 420  
ntangagcgg tgtctcctgg ggctccaang cagcgagctg tgcccgangg gttcgggaagg 480  
c 481

<210> 3683  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

## 3301

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 3683

## 3302

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ttttanggtt tcntaaaaag tatttaggtg acactatata agtacgcctg caggtaccgg 60
tccggtaatt cgcggccgca tcaaccgaac cgggtgcgccg caaactangg cgcctcgggc 120
cagggaacgc ggtaagtaac catggccanc gctaacgggg cccgtggtaa aacnggcnc 180
cggacagga atccgcccgn cctgcgcnc cccatcctca acctggaggt caagttcacc 240
aanatattta tcatcaatgg aatngcacgt antccaanat tgggaaaaaa gtttgctaca 300
tntaaccct 309
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<211> 440

<212> DNA

<213> Homo sapiens

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3303

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tccttcagct cttcctgaac cgatgactgc tagtgaagca nctgctagga aaagccaaat 180  
aaaagccaga ataacagata ccattggacc aacagaaacc tcaattgcac caagacaaan 240  
accaaaggcc aactctgcta ctactgccac tcccagngtg ctgaccattc aaagtccagc 300  
aacacctgtt aaagnccttg ctccctgntga attcngtaac catagaccaa aagggggcact 360  
aagacctgga aatggccctg aaattttatt gggtcaggga cctcctcagn agnncgcaca 420  
gcancataga gnactccagc 440

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3305

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tatttggtgt gctgttgagg gggggagact agagaaatgg cagggaacct cttatccggc 180  
gcaggtaggc gcctgtggga ctgggtgcct ctggcgtgca gaagcttctc tcttggtgtg 240  
cctagattga tcggtataag gctcactctc ccgcccccca aagtggttga tcggtggaac 300  
gagaaaaggg ccatgttcgn agngtatgac aacatcgga tcctgggaaa ctttgaaaag 360

3307

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (289)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (342)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

3308

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3309

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## 3310

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 acacagagca ggactgcaca gcgtcctgtg ccacacccag cttcagcatt tccacaccaa 180  
 gcagcaacag caaatcacgg accactgata gatgtctatt cttgtttggg gacatggggn 240  
 tgnntatttt ctgttctatt ttgtgcttta gtcccatcc tttgcacana gtaggggtan 300  
 cccattcaat tancntttgg natggnttta gggattgggt tnnccctaaa aatnantnng 360  
 ggttnntttt tnaaaaaaaaa aaaaaaaaaat tcgngggggg ggggcccgt ncccnttggg 420  
 ccntnnnggg ggggnnnana gcgncgtngg gggggggggg ggggtgtn 468

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 <212> DNA  
 <213> Homo sapiens

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<220>  
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<220>  
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 atcccaatgc cgggcagcca gggccaaatc catatcccc caatattggg tgccctggag 120  
 gttccaatcc tgcccaccca ccacctatta atccaccctt tccccaggc cctgtctctc 180  
 ctccccagg agtccccat ggcaatccag ctttcccccc angtggggcc cctcatcctg 240  
 tgcacagcca gggtatccag gatgccaanc gttgggtcct accttctcca taccaacgct 300  
 gccctggaat cctctgtgaa tccttgggtc ggcattgtga ccacatgata gtagacaaga 360  
 gancagagaa aatgaagaag tcataaaaga tgcacagacc aaa 403

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 <211> 136

3311

<212> DNA  
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tgccggcncg gnccaccgc cgcacaanaa aaagtgcgcg ggctcncggc gggcgntcgg 120  
actggcgctg ggactt 136

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3312

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3313

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caagcataat atagcaagga ctaaccctta taccttctgc ataatgaatt aactagaaat 120  
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctgagaacag 180  
ctnaaaagagc acaccgtct atgttgcaaa atagtgggaa agatttatag gttgangcga 240  
caaacctacc gagcctggtg atactggtg tccaanatan atcttagtnc nactttnatt 300  
tgccncagaa ccnctaate cctgttattt actnttancc caaaagaacg tctttggacc 360  
ttgaaaactt ttaaaaattt aatttanccc tgttggcggg ggcnccttaa aagttcaccc 420

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<220>



3314

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<220>  
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cgatagtaaa ttgaaacctg gcgcaataga tatagtaccg caagggaaaag atgaaaaatt 120  
ataaccaagc ataatatagc aaggactaac ccctatacct tctgcataat gaattaacta 180  
gaaataactt tgcaaggaga gccaaagcta agacccccga aaccagacga gctacctaag 240  
aacagctnaa agagcacacc cgtctatggt gcaaaatatg ggaaagattt atagggtgag 300  
gcgaacaaac ctaccgagcc tgggtgatact gggtgttcca agatanaatc ttatttccac 360  
ttttaatttg ccnncgaacc cnctaattcc ctgttaattt acttttngtc ccaaaagaac 420  
actcttttgg 430

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## 3315

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<222> (504)

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agtataggcg atagaaattg aaacctggcg caatagatat agtaccgcaa gggaaagatg 120
aaaaattata accaagcata atatagcaag gactaaccct tataccttct gcataatgaa 180
ttaactagaa ataactttgc aaggagagcc aaagctaaga cccccgaaac cagacgagct 240
acctaagaac agctaaaaga gcacaccctg ctatgtagca aaatagtggg aagatttata 300
gggtagaggc cgacaaacct accgagcctg gtgatagctg gttgnccaag atagaatctt 360
aagttaactt taaatttgcc acagaaccct tctaaatccc ttggaaattt aactggtagt 420
ccaaagagga acagctnttg gacctaggaa aaaccttgga nagagagnaa aaatttacac 480
catagtaggc taaagcagca ccanta 506
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3316

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3317

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<400> 3694

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nnnttttttt ttgagatgga gtctcactct gtcgcccagg ctggatacct gagaacttgt 120
aatccaatga gtagaaatgt tggactcca tttatggctg tcaacctgcc agttctcagg 180
agtttgata aaagcctaaa tccgaaaggn nctaatacca ttnggccct tgtntccttt 240
tctgttgctt ttgcccactg gctntggaaa caggggtctt tctttctcct nggctatctt 300
tggatatggg gctccgtctt ntgtgccanc tnagggaatn cttttcaggc atggntaagg 360
cattaaaaag cttcagtttc agtaacattt tgagtgaagta ctctctgaag cttcgttgga 420
anttaggttn ttgcttgaa ggtaactttt nggctaaaag tttttatcct aggttttggt 480
ttaggccct nngt 494
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<211> 502

<212> DNA

<213> Homo sapiens

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3318

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<222> (288)

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3319

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<220>  
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<222> (417)  
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## 3320

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<220>  
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<220>  
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 gggccgcgaa ctttttttcc tcaagctttc ctgagccctt tnatctcgca cgaaatggga 120  
 tnagtgaagg ggccggggct gcctggtgga ggggccccgn tcgcggcgag cccactccat 180  
 ctgaattcgn atctttntcc ccggcaggag ctgaagaaga agctgttcaa acgccggcgg 240  
 gtgttgaatc gggagcggcg tctnaggcac cgggtggtcg gggctgtnat agaccaaggg 300  
 ctgattcagg nggcaccanc tcaagaagcg ggcgttccat tgcaagtggc caaanttaac 360  
 attntcaagg aagaagngcn gaaaattctt ccagcaattc cgnnttnncc agaaagngaa 420  
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3321

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<400> 3696



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agaagaanta ctaagtctct agtgatgaga ganatgtaaa tnaaatgaa acatgtnnng 180  
nnntcaagtt gtcacaagtt agacaatcat atccaatatt tttanagggt gtnagactgt 240  
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ctttgggttt t 311

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## 3323

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aggcctctgt gcaggggtgg tgtggcctgg aattgtgagt gggagctcag atgggatgaa 180
gagggcagcc ccacggttgg agcacatgga gggatgatgag tgcagngctg aggctgaggg 240
aggggctgca gaatcatagg gaccggtgac agagaagggg ctgggttagat gantaggtag 300
taaggatnat gggagcctgg cttcccagtg gcagacagag atgttggatt tgatttcaag 360
gtaatcttga aattactgtt gcaggctgct gnggaaaagc acatganana aatattaata 420
gtatttttaa aactaagaca aaangtanag aa 452
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&lt;210&gt; 3698

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (302)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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3324

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aggaacccaaa ggaggaaaaat gggttgcaga aaacgaagac aaaacagtcg aatagagcaa 180  
agtgtttggc caaaagaaaa attgcacaga tgacagaaga agaacagttt gctctggctc 240  
tcaaaatgag tgagcaggaa gctagggagg tgaacagcca ngangangaa gaagaggagc 300  
tnttgaggaa agccattgct tgaaagcctg aatagttgcc cggccttctg atgctttcgg 360  
taccagaatc ttngancttt tggncacttg gacccgnntt tc 402

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3325

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3326

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3328

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 ccgcctggat gcagatngcc ggagaggacc ggcggtcgg aggaagcccc caccgtgggc 180  
 agggagcagn cggccagncc nttngcccca ggacctggnt gccatacttt cctgtatagt 240  
 ttacagnntc atgttaattn ctcangnaat tnaaaangna ggncaaaaga gntgttattt 300  
 ttttttaaaaa gtttttaaaa acagganagt nctngttngn tgtacatttt aaactngtnc 360  
 cccaaacttt nnnctttnga nccttttnna gngcccnagt tggggtnnca aggncagggg 420  
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3329

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ctgaangage cgggacgcgg ggctctgggc ctcggaact gagccngtnc tcacctccgt 120  
accttctccc cgtcactgtc cgcacatgg ccctacttac cctaangacg tgggcctcat 180  
caacggncnc aaa 193

<210> 3701



3330

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

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&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

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&lt;221&gt; misc feature

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&lt;221&gt; misc feature

&lt;222&gt; (111)

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&lt;220&gt;

&lt;221&gt; misc feature

3331

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3332

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ttggattgga ttaattccaa attctgcttg cttgctntnt aatttanata tggttaaaca 180
cttacacnta atgcacaaaa tgtatgggta taataatggt tacatggaca tgatctactt 240
tataagtcta ctttgantgc nntctccata ttatgatgta tctaaacaag ttgctccaca 300
ggttactcta nnaaggctgg cccttagaag tnggggacca naagattctc ttgnccaaac 360
atcca 365
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<212> DNA

<213> Homo sapiens

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<222> (297)

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3333

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agtaactgcc ccaccaaagg tcttaaaagc catttttgga gcctattgca ctgtggttct 120  
cctactgcaa atattttcat atgggaggat ggttttctct tcatgtaagt ccttggaatt 180  
gattctaagg tgatgttctt agcactttaa ttctgtcaa attttttggt cttcccttct 240  
gccatcttaa atgtaagctg aaactggctt actgtgtctc tagggtnaag caaaaanaac 300  
aaaaaaaaatt ttactacttt tgaaaatngc cccaangttg caaaattata taattctaac 360  
ccttaaata nttnaaangg ttggctgctt ttcaaccttg gccnctgtg aattccnacc 420  
caaggaagaa ccctggaaca aaa 443

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<212> DNA  
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<220>  
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<220>

3334

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tttaatgtca tgggcatttt tagtagcata gaccctttgt tctgcatttg aatgtttcgt 180  
atatttttgt ttcacagtta atcttccctc cccaagtttg ctattcaa at caactgcctg 240  
aatgacattt cctagtaatt ctgaagttat tttcctgaag gaatan ttgg tgaatnccna 300  
tgcagggtttt ttccatacca atanccccc ccccgga aaa aaaaaccna aacccccctt 360

## 3335

antaaaaaaaa ccgncncttt ttttggggga aaaaattccc ccaaagggg gaaaaaaaaa 420  
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<211> 349

<212> DNA

<213> Homo sapiens

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 tgaacacagg gagctatgag agatgtgtcc atgtgaaatt tacagttact gcctagggag 120  
 ttaatgatcg ttctgggtca gcttgaatgt cccatttcta taaattcaac acttattttc 180  
 tgaattcata aaaataacca aaaaatgtga gctataatgt ttccctcaag aacaaacaga 240  
 aacganattt gccaaaaact aaaattcnac aaatgatttt tantgggana ttgggctttg 300  
 ncttttagcgt gttaattgga agcactgccc tttngaccgg aattttact 349

<210> 3705

<211> 458

<212> DNA

<213> Homo sapiens

3336

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<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>

3337

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3705

```
ccaatttcaa aatgtctcaa tgggtgntata ataaataaac ttcaacactc tttatgataa 60
cnacnctgtg ttatattctn tgaatcctag cccatctgcg aagcaatgac tgtgctcacc 120
agtaaaagat aacctttctt tctgaaatag tcaaatacga aattagaaaa gccctcccta 180
ttttaactac ctcaactggg ctgaaacaca gattgtattc tatgaatccc agaaagatga 240
aaaaaatttt atacgtttga taaaacttat aaatttcatt gattaatctc ctggaaaana 300
ttgggtttaa aaagaaaant gttaatggca agaattttaa aaaatatttt ntaaanncac 360
aattatttta ttattnggaa tatccaactg gcttttttaa aanggtggcc cccccctttt 420
ttcccttgng tccnttgggc tnggtcaaaa aattccct 458
```

&lt;210&gt; 3706

&lt;211&gt; 470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (285)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



3338

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (424)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3706

```

gacgagtcca tcacctgcaa cttaaataa caagcttaca tcccattttg agtgaagatt 60
ttgaggtttt taatttaaag gctgtgtaca gttatacttt tttatacacc tgttcatttc 120
tacttaaatt atggcacaga ttgatgcgca ccagtcctga ggaaacgatc tccctattcc 180
cttaccctgt tactcancca cgccgtgtgt tagcttagcc tcagggtggcn agatgtttga 240
ggaaaaggaa ttatgccagg aaagtgggga ccgggtttat ggtcnggggtt tcctattggg 300
aatgctcttt gttgcttttt gggcatcctn aatggaaact nttacattag aaccttnang 360
ttggaactcc cccccaaatc cgcccatatt tttaaaaatt tattttccac tcctattcct 420
tgcnttttaa acttggttact ccttttttgg caaaatttta accaattttt 470

```

&lt;210&gt; 3707

&lt;211&gt; 296

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

3339

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (285)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (290)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3707

gnggngngng ggtccggaat tcccgggtcg acccagcgt ccgagtaaatt ctcataanaag 60  
cacatgaaga acagcagtga aaccaaggat tctagcaagg ccagctatta gcaaagcagt 120  
aagcaggaac tggactagat accaaatgat ggggaaacag actcatagac ctaagaacat 180  
agaagaaaga natgttgaca tcaacagaaa ggcaaaaagg gcaatgcagc atctcttgcc 240  
ttctctctgg gtttttcccc cttaaattgn tttgangatt aaccnccaan cnacac 296

&lt;210&gt; 3708

&lt;211&gt; 333

3340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (278)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (290)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (291)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3708

```
gcttttaaaa acgaacccca tttttgtgtg tatgtggaat attactacca ttcctgctgt 60
cttgtcttta gctctggaga aagttgagtc ttttttttag tctataaaaa tcagtgtcta 120
tataaatggt gttcaggctt ccaatataac agatgggttg ggtttctaga gcaaaggggt 180
tttggatttc tcttttttct aggttaatgc tttacgtcca gttctttctt cattatttag 240
aaaagcctta attttttttt ttttttttaa aaaaagcncc gggcattttt nctaacaaaa 300
aaaaaatttt nttaaaaaaa aaaaccccca tan 333
```

&lt;210&gt; 3709

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (299)

&lt;223&gt; n equals a,t,g, or c

3341

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3709

```
gatccatttc cctgttctat acaggtttct ttgaaaagac acaggggtta gggataagga 60
atagtanaat ttataccatt tttgctgcag agaatggcta cagatggagg ctggaaacct 120
gctgttaatc tctagaacac ttccccacac cagtgtgcca cacattagat actttattaa 180
gaaaatcact tcagtaaatg tttgaaaaat tatttcctag atctcttctt tttttccttc 240
cccaataaac tttggttgca cacaaaaact gttactgaac cctatgaatc tagaacttna 300
cttccaagga aaaccaatta ctnaatnttt tcccctgaan ngaaattg 348
```

&lt;210&gt; 3710

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

3342

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

3343

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<400> 3710  
agcgcanac cacctttgag aagtctctgt tgatgggcaa ngagttccag cgccgcgcca 60  
angccatgat gctgcgggca gctgtgctcc gcaaccanac ccatgtcaag tccccgcccc 120  
naaaaaggac canggggaac ttactccacc aacaccantc ccgatgaac accaacaatgt 180  
naagggtgaa cttggcctcc aagacatctg caccctctcc ccacctccac ggaactcgga 240  
actccaggcg ctcaatnctg cctgcngcca ctaaagggcc tngccatggg ttncnccca 300  
ncctnttttc ctccctgggg cttaagaagc agcngttcta tttttgcctt cctggaaaga 360  
aaagctcang ctccaccttt tgtttctttc cnggaacaan tgctcnccca gccatggaca 420  
ttccnaacct cttccctc 439

<210> 3711  
<211> 484  
<212> DNA  
<213> Homo sapiens

3344

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>

3345

<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<400> 3711  
taaacttaca gacactgaat taatttcccc tgctactttg naaaccagaa aataatgact 60  
ggccattcgt tacatctgtc ttagttgaaa agcatatttt ttattaaatt aattctgatt 120  
gtatttgaaa ttattattca attcacttat ggcagaggaa tatcaatcct aatgacttct 180  
aaaaatgtaa ctaattgaat cattatctta catttactgt ttaataagca tattttgaaa 240  
atgtatggct agagtgtcat aataaaatgg tatactcttc ctttagtaat tacattaaaa 300  
ttagtcntgt tttggaatta attaagttcc ttttgggata angttggggg taatgtgggc 360  
catnccccctt aaanaaatcc nacnggttaa tatanccatt ttttattaan ggnccctttg 420  
gccataaat taaccctgaa aacctncccc cgaaaaaac cnaaacttaa tcccccccca 480  
aatg 484

<210> 3712  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<400> 3712



## 3346

```
cttggtcaga tttgaactct tcaatctctt gcactcaaag cttgttaaga tagttaagcg 60
tgcataagtt aacttccaat ttacatactc tgcttagaat ttgggggaaa atttagaaat 120
ataattgaca ggattattgg aaatttggtta taatgaatga aacattttgt catataagat 180
tcatatttac ttcttataca tttgataaag taaggcatgg ttgtgggttaa tctgggttat 240
ttttgttcca caagttaa ataatcataaa acttgaanna naann 285
```

<210> 3713

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

3347

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<400> 3713  
ggctggagct gctgctgttc tccctatcac tcgtggggaa gccaggcctg gcgaggtgca 60  
ggcacttgct gaggtcacgg cggccanact ggagcccaga actctgtctg cacctaagca 120  
cagtgtccct tacctccagc atctgagtcc catcgtctaa tgtggcttta acctcaggat 180  
cgggcctaata tctagaatcc tacctgcaag acaagcactg agactgaaac aggangattc 240  
cttganttcc aggaatttca aatccancct gancaacatn gtgaaaaccc catctctgca 300  
aaaaaaaaatga aaaattactn ggctggggggg tnccnttct nttaaatcnc tccccgggaa 360  
gggtaagttt ttaaaaatcc cctaa 385

<210> 3714  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3348

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3714

```
gnaaacagta gtttctctgc caaaaattaa aattaaaaaa accggtgtct gtttttagcaa 60
aaccactgct tggtgagtta ttacaagatg tgtactatta aaaactcacc tttttcttca 120
gtgaatgtat attgagcatt tactgtttga aaatgcgttg ggtagcaagg ggagtctaca 180
ggggatatga gcctaataccg atacagagtc tgccttcagg gagttcacag cctcatgagg 240
aatagaaatt tctcactggc ccctaaaact ctcaaataa aggtcttgca gantgtccct 300
tgcacatgtt ttccttcctn aattacaaga aatagcatgg aaaaaaatg cnttatgttg 360
actatagatt tanatataga atccccc 387
```

&lt;210&gt; 3715

&lt;211&gt; 84

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3715

```
cccatgggta gccctgcccc aggggggcaca tgctgtaatn ncaacaagtg tggcnanatg 60
agagatgacc atgtgtatcc ncct 84
```

3349

<210> 3716  
<211> 109  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 3716  
ttaaanttaa tttgagacat ctnattttcc ctctaaaaaa atgaagaaat ttttggatgg 60  
tcccatcccn cctccccctc ccagngggc nctctaaaga atngaagct 109

<210> 3717  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3350

<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<400> 3717  
aaccnaacg ccagcaggaa ccggtccgga aancgccggg cgaccacgc gtccgatttt 60  
ngagtttttn tgatgccaat atcaacnggg ggatttttaa aaattgttaa a 111

<210> 3718  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

3351

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3718

```
gctcaaattc agccagctcc agctgcccct ggcacagagg agctgactga ggctccagta 60
cagggcctgc tccttcccct cctgttcccc tcagtgtgcc ctgggccggg ggccaggcat 120
ggtgggggtg gggaggctgn cngcngaggc cnang                               155
```

&lt;210&gt; 3719

&lt;211&gt; 381

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

## 3352

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<400> 3719  
ctttntnttaa caaaactcaa ccncattagg ggggaaaang cntgngttac cgccctgggc 60  
caggggttacc cgggtcccg ggaaatttcc cgggggtcgg gaccacgcg tccgcccacg 120  
cgtccggggg aagaacattt tgcttatgtt ttaaagggtat gtattggggt aagaggagca 180  
ttatatatgg gaacctctca caaaacaggt gattattttc ttattatact caattttcac 240  
cctgaataga gtgttttgat tatgtaagtt agatcgtaag tagatggctc tcttaaagac 300  
attttatggt tttgttggtt ttgtttgttt ttcgantcta ttaaatnaaa ggtcacantn 360  
ggagtagncg atacagagaa t 381

<210> 3720  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3353

<222> (76)

<223> n equals a,t,g, or c

<400> 3720

gccgaacgca ggagaaccga tccgnatncc cggtcaccca cgcntccata aattacatgt 60  
ctntgaaatt tcattngggg cactaataaa attttcagac cctaatt 106

<210> 3721

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c



3354

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<400> 3721  
tcgacccgta cagatgntgg ncagaagnat cccttaaata aattgtctta tcacntggtg 60  
tgtattaagg aatctgacat ccacaccggt caacagtttg cagctaaatt caaaaaactc 120  
tgntgccagg aaattcagca cattctctgc acacgaaacc ttgacaccaa angagagtta 180  
tgactatctc aagacttctg gcttggcgat gtccatatng ngangangga gacttt 236

<210> 3722  
<211> 137  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

3355

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3722

```
cttttntttt acggaacttc acctcattag ggggaaaaaa ggctggggtt accggccctt 60
ggccagggnt taccggggtt cccgggnaat ttcccggggg tccgaacncc acgtcgntct 120
cggaaaaaaa aaaaant 137
```

&lt;210&gt; 3723

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (481)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3723

```
ggtggagacc tgggagagag tggttaggaag accgaaaagg gcaggacggg gcctccactg 60
cctcccatcc ctggtccggg cccacatagc cttctttgtc acaatcagct caggtatcca 120
agatcagatt acccacattc attatttgag caactattca ttgaacagtt agaatatgtc 180
tcaactctgtc agttgctggc tagaagtaga aagtaccaga tgagtgaaat aattggccac 240
tatccttggg agctgatgac taagtaagag agagatgcaa gacaacatgt ggaaaatgcc 300
aaactgagta gcagtcacag ttgacatgct gcagagagag ctggccgggg gtcagaagac 360
ctgggcacca gtccgtgttca tttccagtgt ggctcgagt cattcacctg acctcctgaa 420
gttcattttt ccaagaagtt gtttantcca actgnccatc aaggatcttt anggaccctt 480
ntanct 486
```

3356

&lt;210&gt; 3724

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3724

agncgaagag gcggaagaa aaancnaggg agaagccagg taccncctg naggaaacgc 60  
ggtcgcggaa ancccggtc gaccacgcg tccantca 99

&lt;210&gt; 3725

3357

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (411)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (424)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3725

```
ggtacccagt ggtggaagac caacacacac ctccgcagac agcccagcac gccagaaacg 60
gccaccgcga ggccttgcca gccgctcagc aggtgtgcta caggaggggc aagcccagca 120
ccccggagtc ctgcgtctcc tcttcatcag ccattcatgc caagccagga gagtggctcc 180
caagaggacg ccaggaagag cctcgcccag ccccccacggg gacccccgc cagccaaggg 240
aggcgcccca ggaccaggc aatggagtga ccaccaggta agggggatat cacaaggcct 300
tgaacctgac tcttgagct ctgggagtgg gccgccccac gccggatgca agagcaccca 360
ggagacctgg aaagcttctc tgangcccaa cttttgacag gggangctaa ngagcagtgt 420
caanattccc agcggantgc a                                     441
```

&lt;210&gt; 3726

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3358

<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<400> 3726  
ggaatttctt ctggctcaga aatttcccct gtaannacaa tatccatttt ttttattatg 60  
gaagtagagt agcaaagngc aatttgcttt ataggaattg tttttatagg caaggatgaa 120  
tttattccag agagcataga atatctattg ggttacttaa tattactcat tttgggtaca 180  
gagccatttg cagccatttg tacttcagga aacagctgag aaaatgattt gtgtgtaaga 240  
aggatgtttc ccattcaatt nccatgggtg tgggaggagg ggctttncnn gngg 294

<210> 3727  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>

3359

<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3360

<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<400> 3727  
ggtanatatt tttatcacat taagaaagtt tccttctatt attagtttgc tgatatgttt 60  
tcttatgtga atgtatatca aatataatca gatacttttt ctgtgttcta tgaacatatt 120  
catgtaattt tttctgttaa tgtgatgaat tgtattgatt aaattttgaa tgttacaaaa 180  
aagccatagc aataantccc ttctaattctt tatagcttcn nttnttcctt cttgcctnnt 240  
tgcactggct ggtaccgnta cggngtnaaa tagaagnggg aataatggac antccttgact 300  
tgttcccaat ntcattggga aagcttttta tatncatcat taagtaanat tattgctatg 360  
gctttttggg aaatatattt atcacattaa naaagggtcc tt 402

<210> 3728  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

## 3361

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3728

tcgacgatgc tatngacaac atgaatgatt ctgagctctt ggnactatac aantggcgat 60  
aanctggtca aacgnaatga gaattaaggg aaatgcatgt acat 104

&lt;210&gt; 3729

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (259)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3729

ggtgtaagga agacatttgc ggtgcttctt gtcctataat gattcaagta tatagtagtt 60  
cttgaaagag tgtgcatata ttactcatct gcttaagaga gtgggttaat ggatatatca 120  
gaggagccaa atacattttt ttcagaactt gaaaaccaa ggtcatcatg agtgcactca 180  
aaagtttagga caagtttatt acatttggga ttttcatctg tagccgtatg aanaaccctt 240  
tccaatataa aancatggna tttaaattagc 270

&lt;210&gt; 3730

&lt;211&gt; 62

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



3362

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<400> 3730  
gaaaactgtg gaatgtangn aaaccataact gcctagggttc ctttgnantc atctgaaang 60  
ga 62

<210> 3731  
<211> 53  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>

3363

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3731

ggacacatnt tcgaaacact anaaaacaan aaatactacc gtnaataaan aaa 53

&lt;210&gt; 3732

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3732

```

ggagtgggtt aggagggggcc ctcggggagg gaagaacaag gagagaggga agtgagagga 60
aaggagggtt ctccttcac taaatcccaa gtatacacc ttctaagggtc tgttctggcc 120
cttcctagg gagtgccttc ccctctacct gccagggtccc atagataagg atgtcctccc 180
ctgcaggcgc ctggcctcca tcacagcatg cccactcttg tgcccgtgc aacctcctct 240
gactctt 247

```

&lt;210&gt; 3733

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3733

```

ggtgagatca gctccttaaa tggggatttg aaaacattag ggcttcatta tgtacacaac 60
ggcagtgcct cattcatcat gcaaaaatca ctcccgttat taaaaatccc tgtggcagct 120
gcatgccggg gcttggtggc atcgtgcctg ctggggacag agcaggagct ccacagccct 180
gcctggtcaa agttgtggcc acgggacagg ggccccaagt cccagcctcc ctcttacaca 240
ggggccg 247

```

&lt;210&gt; 3734

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3734

```

ggtcctgtta gagaggagaa agactgtaat gaaactacta gaccatttg ggctaaagtt 60
tggcttttcc ttccttgagt catagaacat atccatctcc caggaaatgt ctttctctgg 120
cgtctgcttg cccttctgag tctgcctttt ttgactgaa cataagcact ttatactaata 180
gggtcacaaa tcttgacagc cttaatttgg gataagacca gattttcctg acatttttct 240
ttaacttaat ggaactatca aattataggg caccactgac tagactgata tgagatgagg 300
ctaaaagcct ttgaacacca cgctgtagtc tccaacagaa aaacaccacc aaaacagata 360
cccatgtt 368

```

&lt;210&gt; 3735

3364

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3735

aaaaggggcc gtagtagccg angatnatac acggacntnt atanggggaa tgattgggtcc 60  
tncctgcngg tactcggtcc gttaattncc gggctgacc 99

&lt;210&gt; 3736

&lt;211&gt; 278

&lt;212&gt; DNA

3365

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (278)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3736

```
gccgggtttc tccaggccct tggcctggat ggggatgggg tcataggtct gcacagagca 60
ggcgtagacc cggtttcttg ggcagtgtgc tgagttctca gttcctggcc ctgtgtacgc 120
tgaaaccctc cctggtggtg gagctggcaa gagacctgct ggagttcctg ggcagcgtga 180
atggtctctg cagcagggcg agcctcgtca ccagcgtggt gtggggccatc ggcgagtcct 240
gtnggggacct acgatcngga ggtgcacccn tggancan 278
```

&lt;210&gt; 3737

&lt;211&gt; 303

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 3366

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3737

```

aagttgaggg agctcatatc caggcaggag ccgagcaagg tgccctctac agacctctgc 60
tgtatatggc tgtgaatatg ttgctgttct tggttcctgt gaattcgtga ttctggatgt 120
tctacattgt cctagaggcc ccaaaaagga tgggaagagg agcccatctg ccctgggtgct 180
gaacatgtag ggatcgtggc taccaccacc ttcagctacc agcagatttg cagttcctct 240
cttccttaaa ttccttgtgt gcanacaaaa ataaaatctt cttcctctga tgaaaaanaa 300
naa                                     303

```

&lt;210&gt; 3738

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (259)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3738

```

gtaaaataaa aagcctcctg tttcccccac ccacttcacg aaggtaatga ctataacatt 60
tcttatgtgt actttcagat taattttact tatttaatag catatgtcct taaaatattt 120
tcgacaaata ggattatcat tctcatacta ttatcgttct catactgcat cctccttttt 180
ttgcttcacg atttttctta gaaatttttg ataaccagca tatacagatt ttacattct 240

```

## 3367

cttagcaacc agnatagtna cctagccccc tgtttgacag aatgtttaaa attgtgttta 300  
ttattttttt ttgtcacaaa ataatgctgc antggatttg tatatatatc tttatattct 360  
tgaaatggac ttagtaagtc agaggctttg tgaattntca gntttggtag attttaccat 420  
attgccctcc taaaagggtta tacc 444

<210> 3739

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 3739

gccacgcnt ccnccacgc gtccgaaaaa aaaaaanagg ggaattttaa 50

<210> 3740

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

3368

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 3740

ccaanaaaga aagcgaacgc ccgaggaccg accggaaaac cgggncgac ccacgcgccc 60  
gttttcantt aacncaagta cgtttaattg ggnacagagg aagntaaaag aa 112

<210> 3741

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (197)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

## 3370

&lt;400&gt; 3742

gttttagattc tgcctgtgtg gtcatttttaa aacatgtgtg acatatatca ntaccttcat 60  
tcttctatat tttgtgtctc ctccaacctn caactttttt tgttttttga aaaatgattc 120  
tctaacacct caacagtnta aggtaattta ntacacatat atcagtattt ttgtgatctn 180  
aaaaagcaac ccatnttcta antt 204

&lt;210&gt; 3743

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c



## 3371

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<400> 3743  
agtggaaaac ncnactatag ggtttagntg gnacgccngc aggtaccggt ccggaattcc 60  
cgggtcgacc cacgcgttcg nccacgcgtt tngggagcat ctactggtgc aggcagacaa 120  
nccaaatata naaggaaaag gtggaaatga acgcccaggc gtncaaanct ctattcttaa 180  
ccanttatgc taaaggcaag a 201

<210> 3744  
<211> 50  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

## 3372

<400> 3744  
gctgcaatgt tacctgaggc ttcatttnnc ttncccancc gtgccaccat 50

<210> 3745  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<400> 3745  
tttggaaatgc ctgntggaac gtccgcaggt accgggtccgg aattcccggg tcgacccacg 60  
cga 63

<210> 3746  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

3373

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<400> 3746  
tatanggaaa gttggtacgc ctgnaggtac cgggccggnat tccccgggtc gaccacgcg 60  
tcnggacctg aaactgatcc acaggcatatc agncaataaa tgagctttca atgaaagcag 120  
gtcaatagaa gaaaataaat natttcaatt aatggacttt catatggagg tgggggagac 180  
caacaatgnt attntccctc acactacata caaaagtaat tggaggtgca ntatacacca 240  
aaacttaaaa gttaaagata taaagnattt caaggatact ctgtaggnaa agattagnct 300  
accaacaagg aggacactga aaaatattat aanaagacat gataaattag acttn 355

<210> 3747  
<211> 281

3374

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)

3375

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 3747

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cnttggaac ctttaggggn aaccgctatg accatganta cgncaagctc taatacgact 60
cactatatgg aaagntggta cgcctgcagg taccggggccg gaattcccgg gtcgacccac 120
gcgtccgctt ccattatccn taaatattga taaactccca ggcnccaaag aaaacattgg 180
cttaattgtc tgaaaagaaa caagagaaaa acactgggtat ttttatgtct gtattcaata 240
tggtataaaa tataaaaant atattttaac ntanngaaan a 281
```

<210> 3748

<211> 67

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<400> 3748

```
ggaaaaaatt agagtgttca aagcaggccc gagggggcgc tcgagaggna aggnntggtn 60
```

## 3376

tgccgng

67

&lt;210&gt; 3749

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (319)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3749

```

ggggggtagg aggaagagat ccagtcccag atacaggtga agaaatccct tccctgggtct 60
tcatgctccc tgtacgccac tgtctcttag atataattat cccaccctc tgctcatttg 120
tttcccagat tcaatacatt gtcaaagcct cttgggtcctt ttttaacatc tcacacttgt 180
gtcattctct ccattcccat aaacctcaac aactgctcaa agtctgctt gacccttgt 240
tgccagtctt tgaaatcttt cttgcatatg actgcctcat taccttcta aaatctagtt 300
cactcgccta ctcaagaana cacaggggcc tactgtggtg tattagataa gttcacattt 360
cttctcttta ctaatctttt tacttccttt accancactt cccttatata aattccatca 420
ttctaattag aatctgggtt cccctacaca ttccctgncn tctttcacnc ccana 475

```

&lt;210&gt; 3750

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3377

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<400> 3750  
aggcccaccg gggaaacact taggaaaant cccgnaaggc cccagcaggg accggaccgg 60  
aagaccngg ccnaccacg ttttcnaacc atttaaaacc aaag 104

<210> 3751  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>

3378

<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 3751  
agctacnaaa aatannagcg gaacaagcaa agcnaggcat aaggtagaga ttccggctcg 60  
aagacaccag acngaagcaa acagctgcgc atccaaacca aca 103

<210> 3752  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3752  
ganttcccggt ttcgattcac gnttccgaca cgcggcagcc cncgggagag ctgggtcagg 60  
nccggaaaag ccacacctga anctgaggct ggaagccac gacntcctga tg 112



3379

<210> 3753  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 3753  
gngaccgtta cacttgccag cgccctagcg ccogetnctt tcgntntctt cccttccttt 60  
ctcgccacgt tcgccggctt tccccgnaag ctttaaaccg ggggctccct taangg 116

<210> 3754  
<211> 144  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>

3380

<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<400> 3754  
tgactcttaa tgcctatggc aatatgannt tacttgaaga aacatgatac atctttaatg 60  
naaacacagc gccacttcac aactanana atgtgggaga ccnaatatct gagttaggna 120  
agaattttaa aaaacacata aggg 144

<210> 3755  
<211> 123  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3381

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3755

tgaccagngg nggcaactgt gangccccggg ccggtgagga ggaggagccg cagccnggag 60

agaagggtcag cgccggcggg agcgncctggg cctccgcct ccgtcctcac gnggcccna 120

cna 123

&lt;210&gt; 3756

&lt;211&gt; 655

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

## 3383

acctttttgt gttccttgag ccaaagggcc ctcatgactg ggccctcacac cgaataactc 240  
gttacaaaaa gagctagggc cccagactgc gccaaaagct tcaggagact gtcctcgtc 300  
tgtgcacana tgagtggcca actctggagc ccagggtgtt gcttcctagt ctggtggtga 360  
atccttcata gtctgaggtg cttatttagc aaattcaacc ttaaacctga gtgcatggaa 420  
actattgatg cagtgtccaa ggtggagaaa ggtcagagtg gatccagagg agccaagaga 480  
agacgtccag catggtgacc tgggctcaag tcaaggctct tatttctctg atttctggtc 540  
agaaaacaca tcttcaggaa aatcacccct gactcaccca ggctaagtna caagcttttg 600  
gtataaggtc tcatcacacc atatgcctct ntttaaaanc aggnccctgca naaat 655

<210> 3757

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3384

<222> (182)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<400> 3757  
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atgaacatgg gatttagtccc aagctngtag cttggaacgg tagcattttt gcctgcgtga 120  
tccttgncag ctattcacag aaggaaatct tccgaaactc cgtctttcat ttagccggng 180  
angctgttat ccttctntgc aattagcatt catgtgggtn tatcgctctn tccaactctg 240

<210> 3758  
<211> 179  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

3385

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3758

ccccagccag cctaagacta ngaatgtgga gcctgaagat cnaagatccn ancatgtaca 60  
tngtatggaa atatgtgcat atttgtacat aaaatgatat tctgattgat aaataaacag 120  
acaaaacttg aaaaaaanaa aaaatgcagn aatccnaagt aaatggnccg ctaactagn 179

&lt;210&gt; 3759

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

3386

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3759

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gatatttttcg cgcgcgccttt tgnaaagtag ctttggtac gtgggcgggc agatttttna 60
aagttccatt ngcactgcag cgctgtttgc gtcctaaatg cgatattgta atgtttaata 120
tccagctatt atgtagcttt atctttttca gcttctaata ttttggtgct gtttaatttt 180
tttggcacatgc ctttttagtcg agttgtatat acgaagtcac agtaagaaaag ccaattctaa 240
gactcctaag gaatattatc ggtaaatta cagaaggcaa atccccctctt tangatggga 300
gaatggactt gaagggagga atgtggcaag ggtccctcag aagtgaggga gcccgcgtgtt 360
cctccttcag gcatttgcgg atggcactgg tgatcacaaa aaagcggaga ttacgctgcc 420
gggcgctcct gtggnagagg gactggaaca ctgncccatg ntgagtgaan aatgccatca 480
actttaccag gtgccccgta ncctaaagcc acgtccccac t 521

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&lt;210&gt; 3760

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

3387

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

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<220>

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<222> (22)

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<221> misc feature

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<222> (68)

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<220>

<221> misc feature

<222> (69)

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<220>

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<220>

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<222> (88)

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ggacgacacg tagntgacaa nnagggaccc agaccccgcc gggaccngaa ctcnnggttt 60  
cgacccgnng cgctataccc gnttgantc aaaccccaa 99

<210> 3761

<211> 388

<212> DNA

<213> Homo sapiens



3388

<220>  
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3389

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<220>  
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<223> n equals a,t,g, or c

<220>  
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## 3390

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3761

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cgaaccgggc catcgngcct gatagacggg ggntcgcccn atgacgttgg agnccacgnt 60
cttaatagtg gactcttgat ccaaactgga acaacactca accctatctc ggactatncn 120
tttgatntat aagggattct gccgatttcg gcctattggn taaaaaatga gctganttaa 180
caaaaatnta acgcgaattn taacaaaata ttaacgctta caatttaggt ggcacttnc 240
ggggaaaagg tgcaccgaac ccnnatttg gngatanntc taaatacatn caaaaatgta 300
tcccgctcat ggagacaata accctgataa atgctncaat atattgaaaa aggaagagna 360
tgagcattca acactnccgg gcgcnta 388

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&lt;210&gt; 3762

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

## 3391

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<220>  
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3392

<220>  
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<220>  
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<222> (243)  
<223> n equals a,t,g, or c

<220>  
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<222> (253)  
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agacaaataa aaacgttaag ngggaacaan tcacagagag ccacaaagcg gatttnacac 120  
angccnagca naccanaact ctcggnagtg gctacaaggg aanaaaggac tatgtggatc 180  
cctggggggt atgcaaatac ctacctcaca agagttgttg taanaagact ggngggttgg 240  
gnncaaacct tgngattaaa gagtttgcaa cgcatt 276

<210> 3763  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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3393

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (327)  
<223> n equals a,t,g, or c

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<220>  
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<220>  
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<222> (374)  
<223> n equals a,t,g, or c

## 3394

&lt;400&gt; 3763

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tacgagcttc tgtaggctat ctgcataatg tgcccattgt aggaaaagat tggttncagc 120  
agacaccgta agccatatag tactgtggtg cttagcaaga aggctttact tatctgtgga 180  
tgttntcttc aaaagcagct tcagggttnt agttggttca catgtccttt caggtctatt 240  
aacctgatag gtcnggctga ggcgggggca attnttatcc aggtataatg taccacgggt 300  
ttaactcctg cccaatngat gaatgcntgg tcagaaggac ctcatagnng tcttaccctt 360  
tgaggggctn gttngtgatt ca 382

&lt;210&gt; 3764

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (286)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3395

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<220>  
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<220>  
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 <222> (326)  
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<220>  
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<220>  
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 <222> (383)  
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<220>  
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 aaagcttacc cctgccctca ctttgtgttt tttatttttc cccctttctc aagcaccacg 120  
 tatttggacc tgagaagtgg catagctgct aagttgactt ttaataaaaa actgnttgtg 180  
 cctgagggaa atatatgcct ttttaaaaag tacctcagaa catgttcccta gatcgtctca 240  
 tcggttttgt ttggtgggga ctgggaagtt cagcaggaag tattgnctgt gtgtgatgac 300  
 ngngcagtat tgccagtcgg caatgntgta ttttgcattc ttttatccct aactctgaat 360  
 ctaggactcc atgaaaagcc ngngtcaccc caaacattc ttccaataca n 411

<210> 3765  
 <211> 122  
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 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (5)  
 <223> n equals a,t,g, or c



3396

<220>  
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<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<400> 3765  
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accaaggctg gcncttcag caccagccgc agcatcaggg ggcccgccca aancaaggca 120  
ng 122

<210> 3766  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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3397

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<223> n equals a,t,g, or c

<220>  
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<222> (101)  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

3398

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (329)  
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<220>  
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tttagaagaa ncctgngata atttacatgc canccataat ngaatctcng gtacatggca 120  
catgcattcc agtatggaac actntctagc cctaccccta tcctttaagg ctcaggggac 180  
agntactatc actgtgaagc ctntcccgta acactctggg tangnnncaa tattgccacn 240  
naaantggat gtctaggttg tgggggttcg ggggtcaatg cctcgttcca ctccagatat 300  
tcnggcactt tnccatcatc cttcatagnc tccacataat ngggcagtca ataatgn 357

3399

&lt;210&gt; 3767

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

## 3400

&lt;400&gt; 3767

gggtaaaatn ccccggtgn acttattagn gtggaaaaaa ggcnttgggg tacccttg 60  
gcaggggtaa ccccggtgc cccgggaatt tccccgggg gttcgnacc cnacgncggt 120  
ccggcattta tttcannaat gattggaaaa gg 152

&lt;210&gt; 3768

&lt;211&gt; 134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3768

## 3401

aaacnnggcc cgcncnggcg cagcctgaat ggccaatggc tgctttgcct ggtttccggc 60  
atttttaaac cnggggcgga aaggggggct ggaggggnag atttttaaaa acgncgatnc 120  
ccnggggccc aaaa 134

<210> 3769

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3402

&lt;222&gt; (139)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3769

```
ccnctccng taaaggncgc gggcccgggc ccaaaggnc ncccgggccc ggggggccc 60
aagggggggc cccaagggg gggtttctaa ggggaaaggc ccaaaggnc ctctccaaac 120
cnccaaattg ggngggggna aattgggngc gcggaagg 159
```

&lt;210&gt; 3770

&lt;211&gt; 553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (487)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (532)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (552)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3770

```
gtatttttagc actaatttaa actgtttggt aatccctcta gacatctaata ctgtggcccc 60
agtgagtgc tgtgcaatgt tttgtagcgg tcattttttt ttaagtatta acacaatcat 120
acttcctctt taaaaggagt aaaatgtgtt agaatggcta ctgctgctgt tagaatctgt 180
gaaaaaggga aagtcacctt tcacctaggg ggtcctgtgt gtttcttgga agagaggggc 240
ctagagtaag tacatgcccc ttctccaggg tgctttcaca tgtgtttgaa tccatccctt 300
gtcacttggtg atccaggctc aggtaatata aggtttcgtg gtatgccatc ccatgacca 360
aacttgatt gctagaggcc acgaccagta ctgaaacact caagaatata cccagttcaa 420
```

## 3403

tgctcagatt aacttttggat actggcatgg gcataagcat ctggctctac ctctcctgcg 480  
tcacctntca gctgtatcat agccactgcc aagaagtgtt ccngtaacca cnccttagctt 540  
aaggagccna cnt 553

<210> 3771  
<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<400> 3771  
gcccgatcnn gctaattcca gaaacttgtg gttttttcat agggctgtgc tgncantgac 60  
tagcatggng caatga 76

<210> 3772  
<211> 60  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)



3404

<223> n equals a,t,g, or c

<400> 3772

gctcacanat tattaagtat acctgaatct tggtttcttt ttataactga gnaataatgg 60

<210> 3773

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 3773

gccgcctggg ccgccgcctc ttgtcagccg ccgccacca gcccggtgctt cagaagaact 60  
cataagaatc atgcaagctt cctccctcag ccattgatgg aaagttcagc aagatcagca 120  
acaaaaccaa gaaaaatgat ccttgctgctc tgaatatctg aaaagagaaa tttttcctac 180  
aaaatctctt gggtaagaa agttctagaa ttgaattga taaacatggg gggttggctg 240  
agggttaagag tatatgagga accttttaaa cgacaacaat actgctagct ttcaggatga 300  
tttttaaaaa atagattcaa atgtgttatc ctctctctga aacgcttcct ataactcgag 360  
tttatagggg aagaaaaagc tattgnttac aattatatca ccattaaggc aactgctaca 420  
ccctgctttg tattctgggc taagattcat taaaaactan ctgctcttaa cttgaaaaaa 480

<210> 3774

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

3405

<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<400> 3774  
gaaccccnga ggagggngag gagcaatata tgnacaatac ataatggcng ggcgaagaat 60  
ataaatgaga tactatacat tagaaattna caagcattgg 100

<210> 3775  
<211> 129  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<400> 3775  
atggntaatg ggacagacgg ataattaccc gaattaacaa ccacactgct tngaattncta 60  
cncacagatg caccagtag actaagtgat gngggtaatg ctaactacat ttaattggng 120

3406

ataaaatcc

129

&lt;210&gt; 3776

&lt;211&gt; 124

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3776

cncccagcgc cggtcagtnC tagatgacca cctatggaga gtactccnnt aacagccatg 60  
accctcacta cgggaggcag actcacngat tgtgggaaac actnatgggc ngatgtaaga 120  
aata 124

&lt;210&gt; 3777

&lt;211&gt; 77

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3407

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<400> 3777  
ggctcttgga gtgcanatgc caaaactgag tgggtggatg ccaaacacca catncttgct 60  
cattctacnt ttnatna 77

<210> 3778  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>

## 3408

<221> misc feature  
 <222> (338)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (378)  
 <223> n equals a,t,g, or c

<400> 3778  
 gccacgcgt ccggtgctgc cgcggttctc tcgcggaggt cggcgggtggc gggagcgggc 60  
 tccggagagc ctgagagcac ggtggggcgg ggccggagaa agtggccgcc cggaggacgt 120  
 tggcgtttac gtgtggaaga gcggaagagt tttgcttttc gtgcgcgcct tcgaaaactg 180  
 cctgccgctg tctgaggagt ccacccgaaa cctcccctcc tccgccggca gccccgcgct 240  
 gagctcgccg acccaagcca gcgtgggcga ggtgggaagt gcgcccagacc cgcgcctgga 300  
 gctgctcccc cgantgccca tggntacaaa ggntgctnag catgagccgc ccgcctggga 360  
 ccccgttgcc ccaattcngc cgg 383

<210> 3779  
 <211> 67  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (50)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (63)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (64)  
 <223> n equals a,t,g, or c

<400> 3779  
 gaagaaattg ataaagtaaa agcttcgtta tacatttctt tttgggagggn gncatcgnct 60  
 aanntgc 67

3409

<210> 3780  
<211> 191  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

## 3410

&lt;400&gt; 3780

taaccgga ncccttngca aacctttaan ttaagggggg ggggtaaaaa aaagggccct 60  
ttgggggttt aaaccgggcc ccnttgggc ccaaagggg tttancctc cgggggtttc 120  
ccccggggg naaaaatttt ttcccccg ggggggttt cccggaaacn cccaaaccg 180  
tcngnttttt c 191

&lt;210&gt; 3781

&lt;211&gt; 53

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3781

ggactanttc tagatcnnga gcggccgncc tttttgggtg tccgttnac gta 53

&lt;210&gt; 3782

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 3411

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (342)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3782

```
ggaacancct gaaggactgc ggcctcttct gaggggcagc ggggcctggc gggatgggcc 60
accgcccact ttgtaccccc caaccctga ggaagatggg ggcaagaaga tcacgctccc 120
cgccctgttc ccgcgcgtt ttctctctt tctctcttt gttctcagct cccctgttc 180
cctcagctcc agacgtaggg gaggggttgc cacaggcctc cctgtttgaa gcctgccctt 240
gtctgaaatg ctggtaatgg ccatggtacc cccttctggg catntgntct ggtttttaac 300
cattgcttgt tctgtgatga ggggaggggg gcacatgctg antctcccaa ggctgnntct 360
ggagggggccc ctggtt                                     375
```

&lt;210&gt; 3783

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c



3412

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<400> 3783  
gcggactngt gggggcngtt tgatcactga tcgagtaagg aatgaccttt aattgggcga 60  
atthttggttt tggthttttta aaatthtttn aaccagaat gattthctctt gctthcttct 120  
nctnaccatc ttcccagacg gagttcaaag gccacttctn aagcagcttt tggcaccttt 180  
agcctcanaa gtggaatctt ttaaagacag gaccctatg ttcaggaaan gggaaaang 240  
actthttgcaa tgatagngac cncag 265

<210> 3784  
<211> 505  
<212> DNA

## 3413

<213> Homo sapiens

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 3784

```

gtgatattat actctatcct gggccagaga agataatggt ctttaatggt gtccaggaaa 60
ccctggcttg cttgccgagc ctaatgaaag ggaaagtcag ctttcagagc cagtgaagga 120
gccacgtgaa tggccctaga actgtgccta gttcctgtgg ccaggagggt ggtgactgaa 180
acattcacac agggctcttt gatggaccca cgaacgctct tagctttctc aggggggtcag 240
cagagttatt gaatcttaat tttttttaat gtcaagtttt gtataaataa taaagaactc 300
cttattttgt attacatcta atgcttcaag tggtgctctt ggaaagctga tgatgtctct 360
tgtagaagat ggactctgaa aaacattcca ggaaaccatg gcagcatgga naggctctta 420
ntgatttgtt ctgcattggt attgtggaag atttaccttt tctggtgtcn taaagcttaa 480
attgnttttg ntgggacttt ttacc                                     505

```

<210> 3785

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

3414

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<400> 3785

```
gcgtggttta gacctgctgt gtggcagaca atgggaagcc tgtgtgtcgt cctgggtgcc 60
ggatttagac aatatttagc ttcccttgg tggaaaagcc ttccctcc tgctttgggc 120
aggaactggt tcctgttggg cggggcctgg ctgctgcccc acccccaccc ggcgggcacc 180
ttgaccgna gctctcnga ctgntccctg cctgngcccc tganca 226
```

<210> 3786

<211> 177

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

## 3415

<223> n equals a,t,g, or c

<400> 3786

agaaattcat gcatctatatt ataatacctt ttgatacatg tgaaaattaa gaagtttggt 60  
tcagtacttt agaaatacaa tgagggaata tccgatctag cctggtccag gaaaagggaa 120  
gaagactgag gcagcaggaa aggctatcag gaagtaaacc ctccggggnc ntggnnn 177

<210> 3787

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 3787

gactaagttt tagatcgtna gcggccgccc ttttttttng nttttatnga 50

<210> 3788

<211> 177

<212> DNA

<213> Homo sapiens

<220>

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<222> (7)

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<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

3416

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<220>  
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<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<400> 3788  
ggaagtntta tgttttatga ttgagcatta gtgtcatnct acaatcagcc actccncaaa 60  
ngttgcatca ctgaaactcc aggtttcaca gagaatttcc taaggnatta ggtttgagtt 120  
ncttccttcg tgggatgcta tggattcttt aaccaaacca gcctaatttt tcnnctg 177

<210> 3789  
<211> 196  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3417

<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<400> 3789  
gcagggnntt tccccagttt ctgacttgaa gtagactgng aagaatccac gaggtgctat 60  
ccggccagan ttaagnanat tctatttcct tggttctccc tctccctgag gacctcttat 120

3418

tttattgncc cctcttctag gtnaantctc ctttgatttg actttgttga gaaggaggtn 180  
ggacagtaga ttagcn 196

<210> 3790

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

## 3419

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<400> 3790

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gaaagggttn aagtggatg cagtgnnttt atgtcctnca taactgattt aaattagtag 60
gactattnnn atcttncaac ttttaatttn cttataaaag tcaagtaaata acaangattg 120
ttattagctg aatagcagat gagatctcag natttaaaag aacagatnnn ttcttataaa 180
ctcgcttttg attttaa 197
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<210> 3791

<211> 161

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<400> 3791

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ggagattnnn gatggcaacg atgagaagta caaggctgtg ctattacttt ttgagctttg 60
caagttgtgt acataataat tctaaagaag ttactttgtt tgcaatgcac caaattnaaa 120
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## 3420

tgatgngatt tttttgtan tatntgatch tagtgacagt g

161

<210> 3792

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3792

gctgtgttnc agaccgtgtc tgacttagtg naacctaggn gattttatan n

51

<210> 3793

<211> 110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

3421

<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<400> 3793  
gggnctttgt gataccacaa atcccaagcc ttcccttgcc tgaccaatac ccatcaaggt 60  
ctgtgatttg acttggtgca tattggtang nccaggggag gcttnngatg 110

<210> 3794  
<211> 88  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)

3422

<223> n equals a,t,g, or c

<400> 3794

ggggntttgt tgctgtcctg gctgtcctaa ccaggggggtg ggcattcgga actnngggcc 60  
ntantgggaa gggaacgaa gaaaaacc 88

<210> 3795

<211> 82

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 3795

gcaacttcat tctcaaagag tagcaagttg tcatgagggg ccntnaatga caacttcata 60  
ctnaaanaga ancaagcgtg ga . 82

<210> 3796

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

3423

<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<400> 3796  
gntgggtatgt gctatnaaan atatcaatan tgcgtcatgc caagatcaca cagcatggag 60  
acacatgttc acgcagataa cacagncacc gcgtccctac cctggcgcat atgccatggt 120  
cgatcttggc aanaggggaa cattctgngc gantttccct ttggccgtca attggtctn 179

<210> 3797  
<211> 95  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

3424

<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<400> 3797  
tttttttttng gggggggggt ttaaaaaaaaa aanaaggntt aanccccccc gggggaaaac 60  
ccttttnaaa aaaaccagtt ggaaagggtt atttt 95

<210> 3798  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

3425

<220>  
<221> misc feature  
<222> (80)  
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<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<400> 3798  
gncctctgga cccactcnnn ccttcctgcc ctgtttgcgc agggacatca cccacatgcc 60  
ccagctctcg gaccctgcan ctctgtgtcc caggccacag caaaggctctg ttgaaccct 120  
ccctccattc ccagttatct ggttcctctg gattcttctg nttcttgaat naggctctgc 180  
tttacccta gcnactacag gnaagcctct gacagtggcc gctttacttg cattctgcan 240

<210> 3799  
<211> 89  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

3426

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<400> 3799  
ntcntttntn cgtccggtac atactgggct ctgggagtag attgaacaag ccattaaaat 60  
taaacaagcc ttaaaaaaaaa aaaaaaaaaa 89

<210> 3800  
<211> 250  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>

3427

<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<400> 3800  
gagctgagga acgaaagaaa cttcgacaag anaatggaaa tgtacatgct atagcntaac 60  
tgaanataaa attacaggat atcacattgg antcactgcc aagtcatan cntaaatgat 120  
gagtcgggtcc tntttccant ggatcataag acaatggacc ctttttggtta tgatggnttt 180  
aaactttcaa ttgtcacttt ttatgctatt tctgnatata aaggtgcacg aacgtcnnaa 240  
gtatntntc 250

<210> 3801  
<211> 54  
<212> DNA  
<213> Homo sapiens



3428

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<400> 3801  
ggagccacaa tntgcactgg ggtntcaaag angactacnt ntggaaattt tttta 54

<210> 3802  
<211> 300  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)

3429

<223> n equals a,t,g, or c

<400> 3802

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ggacgcgtgg gcggaggcac nggagagnnc angacgaccc cagcagctgc caggaaaggc 60
cacagtcctg gctgggggct gtggggctgg gccaaaggcca ctgaaatctg gtagacaagg 120
aaaggagagc tggggacggg ggagcccaga acacaaggct gacagcacia agagaaagcc 180
ctctgtcccc aacaaacctg gaaatcaaca tccccaagct cgcattggccc aaacacacta 240
agaaatacga ctcagaaaat caacagggcc agtggaccca tggatccatc tcaggagagc 300
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<210> 3803

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 3803

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gccgacgcgn gggaaaaaaa gggngaaaat aaaaaacacc agaggagaaa aaagangaaa 60
nagaaaaaat aaaagcatat ccctatatgg aaggcgaacc tgaggatgan gnctat 116
```

<210> 3804

<211> 125

<212> DNA

3430

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3804

```
ccnaatcaaa agattggact tcnagcacaa tgagacacgg ccaacgggtt catggaaaag 60
ggctanggag ccnnagggtg cgcgatgatgc tgagactgaa agggcctttt ggtactgaaa 120
ggcnn                                           125
```

&lt;210&gt; 3805

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

3431

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<400> 3805  
aggctgtaac tactttataa cnaacatgnc ctgcnaaaat ctgacagctg caaggtactc 60  
tggagagtca ccacnttaag ggcatttacn ccgaaacaga nnatggaggc atagnactgg 120  
ggaggggaagt tttgaaatgg gctcaacaga aa 152

<210> 3806  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

3432

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<400> 3806  
gaaggcctgt atggcccttc ctccctctcc aaaccacta tgagacacca cacttcagcc 60  
accaccagct tctccactcc tataaccat gtgcccttc aagcctcggg gcctttgcag 120  
ttgctatagt ctctatctgg aatgcccttc cccagttct tccatggct gactccttg 180  
aatctttctg gtgttgcta aactgtcacc tcttcctgga acccttctct gaccatcctt 240  
ccatgtanat tagctcagtt attctcacct tgtgtgtctt tttccttgca gtttagnact 300  
cattaccatc tggacatatt ttacgccttg ctctcccat gtgaggacag ggaccntgnc 360  
tttcttgctc gagactgtnt ttcccancat ctattgcagn gcctgggatg cagt 414

<210> 3807  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3433

<222> (145)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (155)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (320)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (332)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (367)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (385)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (393)  
 <223> n equals a,t,g, or c

<400> 3807  
 gggttanttg taaaaaccac gttaatgttt ctgagctttt ataaaacata tcaaccaatg 60  
 tgtagacctg caaaagtga aataggtgta taatagactt tttattagtt tgggtattgta 120  
 atagatcact catttgtatg tattntgcat tctantcata tgattataag taattttggt 180  
 tataagttta taagtaattt tgtacaagta aatttaaact ttaacaccat gttaaaattt 240  
 cagaagccag aaaagaggga gatgcagtct tatatttaac aacttaaaac agtttaaatac 300  
 ccatgtagtt atagactgan ataaaacaaa gnatttctct tggcagtaga atccctgtgt 360  
 tctgtgngtg tggaacatat gttcnagagg gcngggacta tgtcttg 407

<210> 3808  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (24)  
 <223> n equals a,t,g, or c

3434

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<400> 3808  
gctagaatat tactgtggat ccntaaaga nngactaatt ggctctgnat taatggagac 60  
ttcccactgg cng 73

<210> 3809  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>

3435

<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<400> 3809  
ttnttagaga gtccttttgg aagactncta tagggaannc tggtagcct gcaggtaccg 60  
gtccggaatt cccgggtcga cccacgcgtc cggttcttta taaagtaaaa gtatacgaaa 120  
ctgacaataa tattgtgggt tataaaggag aatagctatt ggggttagca ttgcacaaag 180  
cccagtttct ttctgtgntt gaaaaagatt ttgatccct tggaatatta agaggtcaac 240  
acgtgattgt tgtacgtaca cattgtgctc tggagtgcct atttattgaa atcattgtaa 300  
gacctgttat aaattttaag tntatttaaa actaaactng taatatacat cctgaaaatc 360  
attttataga gtcttttatt tagtaangta aaaaaatcaa ttnant 406

<210> 3810  
<211> 220  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (192)



3436

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 3810

```
ggttggaata tggcataagc cggactatct gggaaatgtgg gggaggggag gctgtgctgg 60
ctcctcttgc agctgtcatc caccaggcac ccccttgct ccccgaaacag ctgctaaggg 120
ttaggggaaac tgattggaga aggagcagga atgttgatg tgtggagggg gtggggtggg 180
gggtgacaga tnaactgggt ggaaanctgc cnnncttgca 220
```

<210> 3811

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

3437

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<400> 3811

nttgtagaga cccatttgg aanaccnctn actataggga aagctggtac gcctgcaggt 60  
accggaccgg aatnnccggg tcgaccacg cgttcgaaca agggcaagga gacctncctt 120  
tgagctn 127

<210> 3812

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

3438

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (250)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (267)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3812

aaaccctna ctataggnta agctggtacg cctgcaggta ccggtccgga attcecggggt 60  
cgaccccaaa aaacttgatt agggatgatgg ttcacgtagt gggccatcgc cctgatagac 120  
ggtttttcgc cctttgacgt tggagnccac gttcttaata gtggactcct gttccaaact 180  
gganacaacac tcaaccctat ctcggtctat tcttttgatt tataagggat tttgccgatt 240  
ttggcctatn gntaaaaaa tganctnatt taacaanaat ttaaacgcga attttaaca 299

&lt;210&gt; 3813

&lt;211&gt; 285

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

3439

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<400> 3813

```
ganaccctn ctataggna agctggtacg cctgcaggta ccggtccgga attccccggg 60
cgaccacgc gtccgatttc atattaaatg ttatataaca caagagagag aaagtataag 120
tagaaagagt gcctancacc ctaagaaatt taaattaaaa tgctaattat ccattggtga 180
gtgcagtctc gaggataggt gagtaaaactg ctctgtgttg aagtcacact gctgacctgg 240
ntattgtaat aaatcacctc tttggttaat ttaaanaatt ntnnt 285
```

<210> 3814

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3440

<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3814  
tacagaggat cagtgggtgna ggacgcacac ctggactggg cagcagcgag ngagaaggat 60  
cgangatngg agcagtgtga aaaggatgaa ngaaagattt ggggata 107

<210> 3815  
<211> 123  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

3441

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3815

tatntgaccc ntttggaaatg ccggtacgcc tgctgtaccg gtccggaatt cccggggtcga 60  
cccacgcgtc cgctgangca tattgtgcac aaaattgggc ncatnacgnt gactgtnacc 120  
atg 123

&lt;210&gt; 3816

&lt;211&gt; 506

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

3442

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>

3443

<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<400> 3816  
gnctgaatga tggagnntta agtctgagtt ttactgngag ttaaaaccct ctgaatttcc 60  
agatgataat tccattttta atccatttgg aatgctgaaa gctacaaaaa tgnatttcct 120  
gtcngtaaac atttggtgct ttattttngt gtttaattaa nagtttattt ttccccctta 180  
aatctttgaa ggaaagaagg attttttgct tttttgttng ttttngtcag aatagttcat 240  
ggtaaacttt gcaattacag atgatagttg aaaaaaaacc ccagngacgc antcgtagcc 300  
gcaggcgtng nttcangggg caggcanaag atagacagcc aggtaacttg agtggacctg 360  
nggacaccat cagggtcaca agcatgaaaa aaatgctatg ctgctttctn aatanattat 420  
acttacatgt acacatgngc catatcattc aaaaattgca ntgcataaaa tggttantca 480  
cctaataaga ctctctatta ataaaa 506

<210> 3817  
<211> 152  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>



3444

<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<400> 3817  
gtgggaaacg ctattntctn agggacgntt tcccgtttat atgacaagag cacaggggcn 60  
tggccggaaa aaccaattan taggaccacc tttcttcctt tggattggac ttccgacang 120  
ggctccttcaa ttnggataan ggccaagggtt cn 152

<210> 3818  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

3445

<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)

3446

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<400> 3818

```
ccgngcgcac ccacgcgcgn ggacctatan aggaattgtg agtaagagaa taaaagggtgt 60
ntcaggggaa ctctaacttt cgggacccac atgcacngca gnncatacct cccatngtgg 120
ccagatatgt cgcggattgt nccncagaca tggcaccaaa ggatagcctt gaaggaggag 180
ctcattggat gccagattca caaggtaatg attcattgng agtggtgcan cganaagtca 240
gagcaccagt tc 252
```

<210> 3819

<211> 135

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3447

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3819

```
ctntggaacg cctactatag ggaaagcngg aacgcctgca ggtaccggtc cggaattccc 60
gggtcgaccc acgcgtccgc ccacgcgtcc gaattcacat aatgccaaat acacaatgtg 120
aattnggcga nnnan 135
```

&lt;210&gt; 3820

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

3448

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 3820

```
gatttctctg gatanatctt tatatgctag tcattggtga ttttgatgag tcaatttaca 60
gactgtaatc ttctaaaaat tctgaaagac taattgtttt ctgtgccata taaatgcata 120
ccactgagca aatgaacctt attctcagca ggaacaacta gcatacatgt tctgaattct 180
aacagtgcct aattacattc aagtcacagga agatcacctg gaattaatgg catttcagtt 240
ggcnggcctc attcccaccc ctcggtctta ggaaaaggag gtagaagccc ccagaaccac 300
acggcagaga tcancaagtt ttgtctcaag tcagacaagg tctangtggc cttggnctta 360
tgcaaantgg gtgacatatn ggantatatt tccctttacc tccatagagt tcag      414
```

<210> 3821

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<400> 3821

```
gtataagcct ttattccaag aggtatttat gctaataatgt gccataaaaa agtagagttt 60
taatatttga caaaatgtnt gtgcaaagaa acaaatgcat aaacacatta ctgctacatt 120
aaggcatttt gnaanctgga canctan      147
```

3449

&lt;210&gt; 3822

&lt;211&gt; 76

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3822

gggattgaga gacacacaca gctgggtcaag tagacgtnta cngggnacca tttgaatatt 60  
tnatccatga atcatg 76

&lt;210&gt; 3823

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3450

&lt;222&gt; (382)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3823

```
gacctcatct gcctggggcc tnacctgctg gagtcctttg tggccaaccc tctctcttac 60
ctggggacctc acacgctggg ctacacggct gccaggagcc tctccctcc agaagacttg 120
cctgctaggg acctgcctg ctggggacct cgcctgttgg ggacctcacc tgctggggac 180
ctcacctgct ggggaccttg gctgctggag gctgcaccta ctgaggatgt cggcggtcgg 240
ggactttacc tgctgggacc tgctcccaga gaccttgcca cactgaatct cacctgctgg 300
ggacctcacc ctggagggcc tgggcctggg gaactggctt actttggggc cccaaccg 360
gagtgatggn tctggcttga antggtttgt gaagtggta gccnctgtta aagggtgcan 420
aanagatcat tacgta 437
```

&lt;210&gt; 3824

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

3451

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 3824

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cncgggatta  angggggaat  ctaatggaag  ccttctggna  cncttgcnng  taccgggtccg  60
gaattcccgg  gtcgaccac  gcgtccgcaa  cagaaagatg  gggctgtccc  anccgtaagt  120
caggctcgag  ggagactgat  cccctgacca  attcacctga  taaactctag  ggacactggc  180
agctgtggaa  atgaatgagg  cacagccgta  gagctgtggc  taagggcaag  ccccttcctg  240
ccccacccca  ttccttatat  tcagcaagca  acaaggcaat  agaaaagcca  gggttgtctt  300
tatattcttt  atccccaaat  aatanggggt  ggngngaggg  gcnnng      345
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<210> 3825

<211> 439

<212> DNA

<213> Homo sapiens

<220>



3452

<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<400> 3825  
ttaacggggn aaatttenta ggccattctg gtacncttgc nggtaccggt ccggaattcc 60

3453

cggggtcgacc cacgcgtccg cggacgcgtg ggcgnacgcg tgggctgagg ccagcatgag 120  
ctctccacag gggacttggt tggggcagac atctgtagtg gctcttgagc cactgggggc 180  
cctgggattg gggcatgggc agtagctgat tccccctcac cccatcctct ctggcattgg 240  
caggtcagtg cacaatgaac tggagaagcg caggtgagtc ccagtcctgc cctgacagcg 300  
ccagcccca ggggccactg cctctggcc ttcctccccc tgccattcct gtggccggca 360  
aggtggggct ggcactgcct ccagacctct tcccacagga aggcccaant naaacnggng 420  
ctggaagcgg ttgaagcan 439

<210> 3826

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

3454

<223> n equals a,t,g, or c

<400> 3826

cgggacttna angggggtan actaatggga aagctcatta taggggaatnc tggnacgcct 60  
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgactagnag nagatngcga 120  
gcggtcgc 127

<210> 3827

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

3455

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<400> 3827  
tntaacgggg ggaangctat tgggaaggcc attctggnac ncttgccggt accgggccgg 60  
aattcccggg tgcacccacg cgtccgagaa aaaggaagag gggtgggcac cgtcgtgaaa 120  
tggtaacctt cctcaccgcg gtgcttatct acataattgt gtttttataa catttccttt 180  
acttttctgt aagctgatgc tgccctaatt atagattntt aagagaacac ttcattgtac 240  
cccaaattat acagtgcctt aaaaagggtac tttcttaccg gnttaccaaa taccttataa 300  
attcgaatta cataaaacaa ttcgagatac anaatanaaa cagcctgtac tgntaacagg 360  
ng 362

<210> 3828  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>

3456

<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<400> 3828  
gaaaaaattt atttgcattt atgcctttag gataattttg tatctttcta atctgtttta 60  
tcattgctac aggttttttaaaaagaacct ttcactagct agcacatgcc agagggttcac 120  
atctgnnttg nttntcaaac aggtcgttagc tgtattnatt ggccatgcaa gtagaggaaa 180  
tgcacagtac aaatgttttn ctttancacg taagggacct atccttgnnt tgaaaagtg 239

<210> 3829  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>

3457

<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<400> 3829  
gcttgnataa agnattggnt tgganttggga aaattaaaaa aaggtttcan tttaac 56

<210> 3830  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

3458

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (555)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3830

```

cattttggag gcagtgggtc aaacaggnaa agccaatgna tgngtgncat tttaaagtgt 60
cggaattaan cctctgaata ccttctccat tgggggaaag atattcttgg aaccactcat 120
gacatatctt agaaggtcat tgacaatgta taaactaatt gttgggttga tatttatgta 180
aatatcagtt taccatgctt taattttgca cattcgtact atagggagcc tattggntct 240
ctattagtct tgtgggtttt ctgtttgaaa aggagtcatt gcatctgttt acatttacct 300
tatcaaacct agaatgtgta tatttataaa tgtatgtctt cattgctagg nactaatgtg 360
cagatgtctt tacatatctt aatacagaaa ctataacatt caatagtgtg ctgtcaaagt 420
gtgcttaact cacctggata tacctacatt ggtaaatgct aaacagtaat cattaaaaca 480
tttttgatta aaaaaaaaaa aaaaaagggc gggccgnttt aaaaggatcc aagctttacg 540
taccctntgc atgcnacngn cata 564

```

&lt;210&gt; 3831

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

3459

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (569)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (614)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (628)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3831

```

ggggaccaaa gaggccatag tgcccatgga ggtttggact taagagatat tcattggcag 60
ctcaaagact tccaccctgg agaccacact gcacacagtg acttcctggg gatgtcatag 120
ccaaagccag gcctgacgca ttctcgatc caaccaagg accttttggg atgactgggg 180
agggtgcag tcacattgat gtaaggactg taaacatcag caagacttta taattccttc 240
tgcctaactt gtaaaaaggg ggctgcattc ttgttggtag catgtactct gttgagtaaa 300
acacatatcc aaattccgta taccaaaatc catttccttt gtaacaagaa tttaccagta 360
actgtgatct aggttgccaa aagttgtctg aatctcctta ttcttctctg atcttcattt 420
atgcagccaa tgtctagctg gacctgccct catcttgtag ntcatacagg cactgtttga 480
gagattgggtt attattagat gttgtaatgc tgcttcaaga ttcttcatgg ttacatggga 540
tgccccctgct catctgggcc tgaaagtant aacattcacc ccaatgaggg atatagnat 600
taattccttt ttcnagttac ttgtaccnaa acaccgg 637

```

&lt;210&gt; 3832

&lt;211&gt; 488

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



3460

<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3461

<222> (481)

<223> n equals a,t,g, or c

<400> 3832

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ggccccctgcc cgtaccgggtc cggaattccc gggtcgaccc acgcgtccgg aataatttat 60
aatgggttatt tattggaggt ggtaattagg gaagatgtnc ttttaaacag tagaattgtg 120
ttacaaaggg gtgaaagaga gggaatagtt gtccttgtt gaagggcatg tgaaggtagg 180
tttcaggttt ggttttacia acctgttaac tacctcctgt ccagcttgac aganactaat 240
ttttcatctt ttgctgtca atnngttcnc agaaaagaga cttttccctc tcttgatagg 300
atctgtctta gggacanagg gaccatcgtc tttaagtga ttaattattg atggttcana 360
atgggttttca tcatnttggg atcagctata tggcaaatag gtatcatcaa tgagntaacc 420
atctaaaaat anaanaagtg gaagccctaa atgctagga ataataatan aaaggccaaa 480
nataaccc 488
```

<210> 3833

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3462

<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)

## 3463

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 3833

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nnaattcaca ctgaaacgnc ctactatagg gattagnnggg aacgcccgcgca ggtaccgggtc 60
cggaattccc gggtcgaccc acgcgtccga ttacattntc tcccctgata atctcttcta 120
aattaccttc tgtagttggg tntcttcctt tccttaaatgt tagccattct tcaggtgaag 180
gttaatcctc aatgnactct tcatgttttaa ggggaggggtc taaaaccttg ggggtaggac 240
ttaccaacgg agtttcattg catgatgac ttattgagct tattggtagc ccttatntca 300
gnatntaaag ntnntcttgg gctggtcaga tnttcaagag aagacttttc atttcntttg 360
nggagggaaa aggcctttta ccagcactct tcaagctcag nangggaaaag acttcaagca 420
ctcaggaagc angcat 436
```

<210> 3834

<211> 115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

3464

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3834

gcctagtnat agggcagtgga ggaatcaggn ctactatgga aanagtcaca taacgggtctc 60  
ttcaaaactct tacatgcctt nacctaagat gatcaccact cactgcgant gtctc 115

&lt;210&gt; 3835

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3835

tttaaggggt gggaaccccg gcccccgga cagngacac gcggggccgc ggaaatattc 60  
tccggggggg 69

&lt;210&gt; 3836

&lt;211&gt; 66

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3465

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c .

&lt;400&gt; 3836

gcctttaaaa acagaacctt ttatacaggt ggattttcat tcctctgggg acagnggng 60  
nnaaga 66

&lt;210&gt; 3837

&lt;211&gt; 52

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3837

gagcncaatg aagatcaaga tcattgctgg gtgcgtgntg cattggngnc nt 52

&lt;210&gt; 3838

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3466

<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<400> 3838  
gggttttttct tattgctgtg gaacctcttt tggaggacgt taaaggcgtg ttttacttgt 60  
ttttttaaga gtgtgtgatg tgtgttttgt agatttcttg acagtgtgtg aatacagacg 120  
gcaatgcaat agcctattta aagacactac gtgatctgat tgagatgtac atagtttttt 180  
tttttaccat aactgaatta ttttatctct tatgttaaca tgagaaatgt atgccaaatg 240  
attagttgat gtatgttttt taatttaata tttaaataaa atatttggaa ggaaaaaaaa 300  
aaaananann aan 314

<210> 3839  
<211> 181  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

3467

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<400> 3839  
tcaactncta ctaggggggg gaaaaaaggc tntgggttta cggcnctnt ggccaagggn 60  
ttaccggggg tttccccggg gaaaattttt cccccggggg gnttccggaa cncccaacgg 120  
gccgnttccc cggggttggt tggaaacntt aaaggtttta tttttggctt tggccattan 180  
a 181

<210> 3840  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c



3468

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3840

```
gcggactaag acaacaagga tgaagtgaag catcctggat atcctctgcc tgtaatccgg 60
tctgatgtgc ggcacttcat gtccgagcct atccatttgg ttttgggtctt tggaaaagac 120
aacgttagtc acttactagt ggcagttgca tggagaagag ggctcactaa tggggggacag 180
ggtgatcatt tggagtttgc aagctgtgaa gacagatgtt ggctcttcac aattttggaa 240
gggttcacta gttaagtgtg ggaccttatg ggggatggaa ataaggcaga ggcatagttc 300
tggccactga gttccttaag gtctgctgaa ggctgccgat gcgtctctca ctccctcgta 360
tgctctggag canaccaggg gctggaggaa tganggaaga tccttttcatt aaccaccatn 420
tgntgacatt tttctttgtg aaaacatttn tattatat 458
```

&lt;210&gt; 3841

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (493)

&lt;223&gt; n equals a,t,g, or c

3469

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (498)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3841

```
gcagtgggtgc agttctcggc ctctcggcct ggcttctga ccttctggga ccagtgcaca 60
gagagactca gctgcttcct ctgcccggtg gagcgggtgc ttctcacctt ctgcaaccag 120
tatgggtgcc gcctctccct gcgccagcca ggcttggctg aggctgggtga gtgggctgct 180
tcctccttcc acccttgctc agattcccag tgacaggaag ctcggggaag ccaggctcagc 240
ccacacagat aaacgaactg ggcaccgagg agaccagcaa agacttgggc cttagagcag 300
aaggacccag atgggtgggg tttgaacagg gggcccctgg acctgagcct gggataggag 360
catctctccc ctctaaaagc tgtgttcacc caaactctga ggcccatgct actgcctcct 420
gcagtgtgtg tgaagttcct ggaggatgcc ctggggcana actgnccaga aggccccaan 480
caagggcctg ganagcan 498
```

&lt;210&gt; 3842

&lt;211&gt; 98

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3842

```
gaacactgca atgctataca tctatgctgt gttgcttgtt aaatcnaggc actgcagtat 60
tangcatgca catgattntt tctgagaatg angaanct 98
```

&lt;210&gt; 3843

3470

<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<400> 3843  
gcggacgcgt ggggtggcact gaggagctat ggggccacaa ncagtantna ctggctnntt 60  
tcc 63

<210> 3844  
<211> 65  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)

## 3471

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<400> 3844

gacggacnca taggacctnt aatctttcat cacagntcga naggcccacc tgtaccgtgn 60  
tatttt 65

<210> 3845

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 3845

gaaaaaaaac antnnacaat gaaaatattg agaagatatt gagaaagaaa tatatttggg 60  
gcggacatcn atgnga 76

<210> 3846

3472

<211> 187  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3473

&lt;222&gt; (176)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3846

```
ttaattacca ngaacttatt tagggcattc cctttcnacc atggnaacc ccattgccct 60
tacggacttt ncaaagggat tagaatttct ttctcttttc ttaattcagg ggggacaatt 120
cnggcttttc caacantcc ttgcttgccc gcttgncagc agccaggcan gtttcngatg 180
aatcaag                                     187
```

&lt;210&gt; 3847

&lt;211&gt; 68

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3847

```
gctgggaaca agccngagct gnangangaa gagaagntgt acaagaacgc ccgggaaagg 60
gagaagta                                     68
```

&lt;210&gt; 3848

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

3474

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 3848

gcgcccgcgc nnagggccgc acgaggcccg gcgtgcgccc ccgcctctcc cgaagcgccg 60  
ggccccacgc cgccctctct tctcttctcc gctctctccg cctccggaag cgcgggcgcg 120  
cggcgccggg agcccgttca gggccgcggg agtgcgccag ngccgngcgt ggggctgagg 180  
tggccgnggn tctcagatat atttttgccca tcatggancca gtttggagat atatt 235

<210> 3849

<211> 71

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

3475

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 3849

gctttgctgc tangtaggca tggattatta tgctgataca tagagctctt ttgatgataa 60  
nnngattnta a 71

<210> 3850

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c



3476

&lt;400&gt; 3850

ggggagaagt gccccctggt gaagctcttt gtgacgggcg agntcanngt ttttgatggg 60  
tgactgncca nacttc 76

&lt;210&gt; 3851

&lt;211&gt; 63

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3851

gcaatgtccg ccagaaggnc aggcnagecn agccntgccc tcaggcggag antggtctgt 60  
gac 63

&lt;210&gt; 3852

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (188)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (225)

3477

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 3852

```
gtcatcatct atccccttta taaatgaact acactgttgt tttcttgact tcgatgtgct 60
ttgaagtaca gtgtagcata tcattctacc ttgaatccta tgataatata gttgacatct 120
tgctgtagtg gacttggtgca tatagcacac atgatatagt atattgtatt acagtaaact 180
ttagacantg ctacttaatc attttacttc atgaagataa actancattc taaatatgaa 240
taatattaat ggtctacaaa aaattttgag cacattttan aatcatattt ataataaact 300
ggncaaattg ggcttatnta atgtataatt tagaaccac tgtgtagnn 349
```

<210> 3853

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

3478

<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 3853  
nttgaccann tgtcacacat gatatagtat attgcattac agtaaacttt anacaaatgc 60  
tacttaatca ttatacttca tnaagataaa ctaggcctgt caaatatgaa tatnnttaat 120  
ggctacana 129

<210> 3854  
<211> 200  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3479

<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<400> 3854  
ggaaatattt aaaggttgaa aattataatn acctataaag ctgtgaaaaa tagaagtata 60  
atntgaaaaa acatttcact tatcagagat tnttatattt atacaaaaga ttactaaatg 120  
aaggattgct aaatgnnttt ggntcaatta cataaaaatt aatattctgg gtntgatctg 180  
ggagagaata aatatganan 200

<210> 3855  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3480

<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)

3481

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<400> 3855

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gaatagatac taagtcttgg agaggtgaaa cagtcgcaaa tggaatttca agaaacattc 60
tatatacact gcctctagga ctgggacana tagccactga gtacctgctt caaatcaccc 120
tgcacgtttt ctctttggaa agataagcac tggagaacca tcttcgttac cttcancaga 180
aatggaaaca attcaagaca ttaagaatgc cgnaantgga cagcagctat gcanggttca 240
gnatatgaag ttttcaagat ggtgtgcctc actaancng aaatcangaa aagatcgaag 300
ctagcctntt tnatctcagc ntgctcctta aatcangnca acnccctcca aaattaattg 360
tgaatctgaa acctttgcc ttngtttttt caaactttaa attgganata accttaactt 420
attntgntga aaccacantt gccaccataa aattat 456
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<211> 91

<212> DNA

<213> Homo sapiens

3482

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tccaaaattc aattattaaa gtttngggg g 91

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3483

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aagaatgtat aggctaagaa atgcctctca cgtatacata gccaaaagct tttcttggct 180  
tcagattaat gatttctgat gtaacatttt ttaatgtaaa cacaaaaaat gacttgatat 240  
tttcttggtta ctccatttat ttcttaatga ttgcatttca tgtttctaata tttctaagta 300  
aattataatt acaaatttagc cttgtattaa aatatagggc tcaaaatatt ttctgngggt 360  
ctctttgggtc ttcatgccaa gtttgncaat ttatattctc tcagtgatta tttggnatt 420  
tttagnggta gntgggtatt atcaagtggg aaactatgaa tacctncatt tgctatttga 480  
gaaaatgaca ctcatttaat ctaantaaaa 510

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<220>  
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<220>



3484

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cttcccaaag gccacagcct ttattccagg ccaggggatg taggaggggg aaggaggaaa 180  
caggaagccc agagagggca aagggcctac ctcggggcgc gaaccatgcc ccagactatt 240  
atctcagggc tttctgggca ctgacttcag cgtggccacc tgcccatgcc ctgaggccag 300  
ttggcgaggg gtggtcctga gggtttttat accctttgtt tgctaattgt taattttgca 360  
tcataatttc tacattgtcc ctgagtgtca gaactataat ttattccatt tctctctgtg 420  
tctgtgccaa gaaacgcang ctctgggcct gcccttgccc aggaagcctt gcagctgtgt 480  
gcttgtggga acacttgacc tgacttacan gnaccaataa agagntttat tttaaaaaaa 540  
aaaaaaaang gn 552

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3485

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&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3859

ggtcagcctg natatgccca tgacacagta ttggaaanta accagnaana atnggtaag 60

&lt;210&gt; 3860

&lt;211&gt; 602

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (541)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (580)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (581)

3486

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (598)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (599)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3860

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tccctcccca cctgccccct gcgtaggcac ccagacttgg agagaccctg ctgctgttaa 180
tacttccatc ctcttccttc ccaaagagca gatcccaagg catttactcc ttggtctgtc 240
tcgctttatc tgtcgccctc cccagcgctg agagcctccc ctggctgtca gcagcactgt 300
gtccaggctc ttgtctgaac accgcagccc ctcttcgct ccttcagag ctcagcatgt 360
cacggcaagg actgccgat tggatgatgga gggccanctg angggaagtt gctggtgaag 420
tttccttttc tncatttcta gcatatggac acctggcctc tgcttgaaca cttangtgac 480
aggaacttcg caccttctga ngccctggat gattctaatt ggtagaaatt ctaattggta 540
naaatcttcc ttataatgaa tgaatctgct ttctataatn ntacctattg ggccttgnnt 600
gg 602
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&lt;210&gt; 3861

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3487

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<220>  
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3488

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cataaatttt tagttgatgg cattctttta tttgagggt gctttgaaag tgggttccat 180  
gtcttagtca tctttgggtt tcttggggcc ttacacagt ctggcataaa gcagccctgg 240  
aaataatggt tgttcaaaat gtaagtggag tatagatttt cctttttggt agatagctaa 300  
gaaatccttc angggaacct ggaatgcctc nttggtatgc angtcttgca gagcttttga 360  
ttgtnatttg aaataaactg ccctcgtggg gcncgtgttct ttttgcaaat tggcttgaaa 420

3489

attgttggttn cncttnnaat ttagctccat ttcccaa

458

&lt;210&gt; 3862

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

3490

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3491

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cctcctgaga angaaangat ctgccctgan cactccctg gcactgttnc tngcctctgc 120  
gcctcaaggg tccccttctg caccgctggc ttccactcca ataaagtgga ccanggtctg 180  
caagttcaac ggtcatagct ttccccccat gtcccaactt gcctcatcac tcccggccct 240  
aatctctcca nnnnnnnncc ccnngcctct tgggctcana cccaactat tcaagggatc 300  
tctgtctctt aatcgataat tgggggtccc tgctctcccc aagaanatct cttcaagaaa 360  
ataaanttna ccttttnctt ccnaaaaaaa aaaaaaaggg ggggggcccc c 411

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<220>  
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<220>  
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3492

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (428)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3863

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tgcactcatt ttgtatagtc taccaaggcg ggtatcccta ggaacaatat tatataggaa 120
gcagggtatac tctgatcaca ttcaggataa gtgtacagaa gaaaatacgg tgtttactct 180
ttaggggaact ggaaacactc cctgcattga tgttacattt taagaatggc acttttgata 240
catgtttatca taaagggtgct taatagactt gaattaaagt ttttccaaat ctgtaaacaa 300
agcaaaaaat taaattgttaa tcatttgatt atttttttaa ttggtgcttt atatttngtt 360
tctcctccan aattaaaanc tgcaatttat tgttcccca gcttttgaag ttttttccctn 420
tactcaanta atgccaatan ctcccattgg tttgaaattc ccccttttng ggaaatnaat 480
tttaaaaatt ccctaaccgg gccacttgaa aaacctgccn ccgcctaagg ttttttgggt 540
ttgggttggg aaaaaaacat taatcc 566

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&lt;210&gt; 3864

&lt;211&gt; 259

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

3493

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3494

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<220>  
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3495

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<220>

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<222> (233)

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<220>

<221> misc feature

<222> (255)

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<400> 3864

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cccancncn tggntgagna atgcctngct gctgnangtg tattggacct nnatattgca 120
ttactagagg tncatgaagac tgccctctc cacnatggcc tatcacgtgg aattcccca 180
gctgccaang acttatacaa atncgtgtat cantctcaat actgtgggtt ctngcaacac 240
ggaaccaaac tgccnccca 259
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<212> DNA

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3496

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3498

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cccnnng 126

<210> 3867

<211> 315

<212> DNA

<213> Homo sapiens

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3499

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tcctttcaca attgactgag tatggataac cgtacataan catttgctac accccaccag 180  
ccccctcccc ctcagaaaca ccagttcctt cccaaggcca gctgtgccag actcccctcc 240  
cgggactgcc ttcttgtcat cataagcaaa aaaaaaaaaag gggggggcccc cccaaaanaa 300  
naanaatttt tntna 315

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gggggggggaa aaaaaaggcc tttgggggggt ggaaccncc cccctttggg cccaaagggg 120  
gtttaaancc cgggggggnt tccccccggg ggnaaaaann tttccccccc cccggggggg 180  
ggttttcccc gaaaaacccc ccccaanacg ggcccgggnt ttttcccccg ggtttggggg 240  
cccccccccn ttttttgggg gtntntcccc cccccccca aaaaaaaaaa aaaaaaaatt 300  
ttttggggt 309



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3504

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cctattttcac atacaacaga tcttttacct ccattctgtt agtaataaca atctcgcccn 120
cccatactat nanacctgta ccactcagga aggatcacga ccaaataagt ataggggtnc 180
ttctntnaac tttctgtatn acatccgaac tnatgatnnc ancggggggtg gtgttggcag 240
ttggaattgn gggcctcgag ctggctgccca tgattgngtc catntntcta ttactgcaat 300
ctacaangaa tccgcttact gcctctgccca ctaatggntg cccccctggg aactct 356
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<220>

3505

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ttaaaccccc ggggggttccc cggggggnaa aaattttccc cccccggggg gggtttccgg 180  
naaaccccc caaccnggcc cgggttcccc cgggaaaccn ccaaaaaaaaa tttttaaaaa 240  
ggnaatttgg ggggtttaaaa aggaaacccc cttcccttgg gaaaggnaac ccccaaaaana 300  
anaatttttt tttgggtttc ccccccaaat tcccttccct ttaaccccc cccccctttc 360  
cnaacaaaa acccttgggc cctttttaac ccaaggnaaa aattgggggg aaattccnaa 420

## 3507

ttgggtttcc ccccccccc tttttnaatt tgggtttttgg naaagggggg tgggaaaccc 480  
caaacctttt ttaaaanttt tnggcccttt ttttccccct ttggncccc ttcccccttt 540  
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<210> 3871

<211> 277

<212> DNA

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gctcttctca tttcacccct ccctttctcc cctgccccca ggactgggccc acttctgggt 120  
ggggcagtggt gtcccagatt ggctcacact gagaatgtaa gaactacaaa caaaatttct 180  
attaaattaa attttggtgtc taaaaaaaaa aaaaaagggc ggccccncta aaaaatccaa 240  
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<210> 3872

<211> 550

<212> DNA

<213> Homo sapiens

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## 3511

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ggggccaaag ggggggttta acccccnngg gggtttcccc cgggggggaa anaatttttc 180
cccccccgg ggggggggttt nccgggaaaa ccccccccaa accggggccn ggttttcccc 240
cgggcccttt gggnggnntt aaagntttgg gggggcccn aaccaanaa agggccccct 300
ttggggggcc naaggncct tnggttttaa gnnaaagncc cccnggccct ttaaaaacce 360
ccttncccc cggggaaacc aacccccctt ccccccttc ccaaccccca accaaaccaa 420
ngnggaaacc cccctttgga aagnttgga agnggaaagg ggaagggggg ggcttggggn 480
aaaaaccct tgggggnatt gnggggtttt gggcccaana aggggaggaa acctccaagg 540
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<211> 450

<212> DNA

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3512

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<400> 3873

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ggggggccaaa ttttcccccc cccctttttt cccaacccaa aaaccaaagg tttaaagnaa 180
aggnaacccc cttnaaccna accaanggtt tgggaaaaaac cttttttttg gggggggggg 240
aaactttttc ccttgggaaa gnaaattccc aaggncggg tttccccttt aacccccaaa 300
aaggnaaac cccccccaaa ggcccccccc aaaaaccttt ccaaaaaggn cttttaaccc 360
aaggnccaa gncccaaggn ccaaccnttt tcccccccca aaaggncccc ntggccctt 420
ggaaccccn aaccaaggtt tccaacnaa 450
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<210> 3874

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<212> DNA

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<400> 3874

## 3516

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ccagattggt ggtggaatgt gggggaagaa caggagccta ngagaacagt cccaccccag 180
gcaggctgga gcacctgaat ggatagagga ngtcgttcct gaactgggca gcctgggcag 240
gacacanatn ttggaaatga aaccaggggt cctctgatac aggttacatt tgaaatgttt 300
gcaaaaatcc agttananat gtcaaaaaag cagttagatc ttgtnattct gaanctcatt 360
tnaaaatcca aaatagccca attttagttt ggttttctcc aaccttaact tattagggaa 420
tggnnttgaa ttccctgccca naaagaatgt ttnacngaat tnaanaaagg atcccctaga 480
acaanttatg cttaatcccc ttttttgatg gtccnatnaa gaagaaanac cccttnngga 540
aaaaggaaaa accnggg                                     557

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<210> 3875

<211> 550

<212> DNA

<213> Homo sapiens

<220>

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<222> (31)

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<220>

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<222> (42)

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<220>

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<222> (109)

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<220>

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<222> (121)

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c



3517

<220>  
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<220>  
<221> misc feature  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>

3518

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
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3519

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (481)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (513)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3875

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tacnatgccaa aaaggcttcc tttaaagtcc nccgcaactt tntaacttta aataaaaggg 60
ggggaaaaaaa aggccttggg ggtgggaccc ccccccttg gcccaaggng gtttaacccc 120
nggggggttcc ccggggggna anatttttcc ccccgggggg gggtttcccg gaaaccccccc 180
caaaccgggc cgggtttccc ccggcnaaaa ggccctttaa ttccnttna agnnaaanna 240
aaggnccccn aaccaaattn cccccttggg tttttaggaa aacnttggga aaaaaaaggg 300
ttgggggggcc naatttggcc caanaaggna aattnaaan aatttttttt aaattttntt 360
nggncctttg ggtttttccc cctttttggg ttcccttna acccttgggc cctttttttt 420
ttntttnttt ccccccccc ctttttgggt ttgggtttgg cccttgggtt tccnaaaaag 480
nttttttttt tggggggttt aatttcccaa ngnaaaaaaa atttaaaaaa acccaatttt 540
tgggaaaaaa                    550
```

&lt;210&gt; 3876

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3520

<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (75)  
<223> n equals a,t,g, or c

<220>  
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<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<400> 3876  
catcgcccaa aaggcttctt tnaaatcncc ggaactttca acttaaataa aggggggaaa 60  
aaaggctttg gggtnggacc cnccttgg gccaaagnggt t 101

<210> 3877  
<211> 556  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
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<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)

3521

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<400> 3877

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aatttcttgt acaaaattgt ttatttgcct tttctttgtt tgtaacttat ctgtaaaagg 60
tttctcccta ctgtcaaaaa aatatgcatg tatagtaatt aggacttcat tcctccatgt 120
tttcttccct tatcttactg tcattgtcct aaaaccttat tttagaaaat tgatcaagta 180
acatgttgca tgtggcttac tctggatata tctaagccct tctgcacatc taaacttaga 240
tggagttggt caaatgangg aacatctggg ttatgccttt tttaaagtaa ttttctttaa 300
gaactgtcac atgttntttg ttgaattgtg gaatttgta ctctgccttg gactatggac 360
agtcaacaat attttcttaa aaatttgcac tattgcanaa cgggtgttat tatccaaggt 420
actccttacc ctaatttttt tngttnctgc ctggtncceg ttacaanaaa cattttccct 480
tttaaattgg ttaccttgcc ttttttaaaa cttttgnttt taacccccct ttaaaaaatc 540
ctgcctttat tgggca 556
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<210> 3878

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3522

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<220>  
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<222> (73)  
<223> n equals a,t,g, or c

<220>  
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<222> (85)  
<223> n equals a,t,g, or c

<220>  
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<222> (87)  
<223> n equals a,t,g, or c

<220>  
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<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<400> 3878  
aatanttttt angatttcgt agtcttttta attaaaaata agggttttgn acnccctttt 60  
ttttaaaaaa tgntcctttt tttntnntg attagtntt 99

<210> 3879  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

3523

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<220>  
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<220>  
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<222> (107)  
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<220>  
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<220>  
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<222> (180)  
<223> n equals a,t,g, or c

<220>  
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<222> (238)  
<223> n equals a,t,g, or c

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<220>  
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<220>  
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<222> (282)  
<223> n equals a,t,g, or c

<220>  
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<222> (287)  
<223> n equals a,t,g, or c

## 3524

&lt;400&gt; 3879

ggataatatt tccataattt ttnatttgaa attttgctga ttcttnaaat gtnttgtttc 60  
ccagatttca ngaaactttt tttcttttaa gctanccaca gcttacngca atttgataaa 120  
atatactttt gtgaataaaa attgagacat ntacattttc tccctatgtg gtcgctccan 180  
acttgggaaa ctattcatga agtatatata ttgtatggta atatagttat agcacaantt 240  
caataaaaaat ctgctctttg tattgcnctg attgtgngct angcacnga 289

&lt;210&gt; 3880

&lt;211&gt; 67

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3880

aggaaacttg tgcattacat ttttcctgat caagcaggna nggagcaana tgtncatata 60  
tatttnt 67

&lt;210&gt; 3881

&lt;211&gt; 144

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c



3525

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<400> 3881  
ccgcactttc cagcagggat cnngaaganc acccgagtcc caagaatggg gttttgcttt 60  
ttaaaaaaga aaaaagaagg gtnattgcng ggattgaagt tcgcctggcn gtctatccgc 120  
ncaaggatcc tctgtccttc atan 144

<210> 3882  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>

3526

<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 3882  
atgccnaagt tnataactcta ttgagaaaag ctnggtacgg gttgcaggta cnagtccgta 60  
attccccgggt cgacccacgc gtccgctccc gcnggggcn 99

<210> 3883  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
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<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)

3527

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 3883

tttttttggga catnntcccc cctttttttt tttatcntna nccccccctt ttttttttaa 60  
aaaaaaaaag gggggggccc cccccccctt tttnggggg 99

<210> 3884

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

3528

<220>  
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<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<400> 3884  
cncctttggac anntcccccc tttttttttg atctnnnanc ccccnttttt tttaaaaaaa 60  
aaagggggggg cccccccct tttttggggg gncccaaaa 99

<210> 3885  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3530

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (186)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3886

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ncaaaggaaa gntggtacng cccaggtacc gntccggaat tcccgggtcg acccacgcgt 60
ccggcagggg cttggggcag ccnccctct cctccacca gaccaagtgc ctganganc 120
gcctgccttc ttccatctga aaaagcaccc tcctccccc tttgacttgc angagccacc 180
aggganca                                         188

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&lt;210&gt; 3887

&lt;211&gt; 542

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3887

```

ggcatcttct gaggtcaatt aaaaggagaa aaaatacaat ttctcacttt gcatttagtc 60
aaaagaaaaa atgctttata gcaaaatgaa agagaacatg aaatgcttct ttctcagttt 120
attggttgaa tgtgtatcta tttgagtctg gaaataactg atgtgtttga taattagttt 180
agtttgtggc ttcatggaaa ctccctgtaa actaaaagct tcagggttat gtctatgttc 240
attctataga agaaatgcaa actatcactg tattttaata tttgttattc tctcatgaat 300
agaaatttat gtagacgcaa acaaaatact ttaccact taaaaagaga atataacatt 360
ttatgtcact ataacttttt gttttttaag ttagtgtata tttgttgtg attatctttt 420
tgtggtgtga ataaactttt tatcttgaat gtaataagaa tttggtggtg tcaattgctt 480
at ttgttttc ccacggttgt ccagcaatta ataaaacata acctttttta ctgcctaaaa 540
aa                                         542

```

&lt;210&gt; 3888

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3531

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (551)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (552)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3888

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gggtagatcc acccttatgc ttctcagttt agcataacct cttatggatt ttcacaaat 60
tcagcgtggt ggtaactgga aagagccttt tccttctcct tttcttactc tcccctcatg 120
gtgttccctt cttaaaggag aggagctttt aatttacct taccacctca tttgcttttc 180
tggaggccat gcaatatagg cgggactaca gagttaatct cttttttaca aatgaggcca 240
agagaagcct nattggttca cagtcatgca gtcatactg tccacccttg tattctcaga 300
tgcaggacaa ttgcatttta gttttatttt gtggaggtgc agaataattta ctctttctgt 360
ccaacccttg attctgccga ggaagacact gatgggttga tgagtgattc agctgttttg 420
gctaaggggc ttttgaggct gatggcaggg gtttgatnaa ttcaaagtag cntagacat 480
tatcacagac tgaatagatc tttaactggc tcctacatgt gtgnntttcaa atgtgtatag 540
aatgctatng nnattaaata a 561
```

&lt;210&gt; 3889

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3532

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3889

naagtatggt acccctgcng gtaccgggtcc gganttcccg ggtcgaccca cgcgtccggc 60  
cgnntaagag aagttgtaaa gtatgtatta ttcggccctg gnt 103

&lt;210&gt; 3890

&lt;211&gt; 73

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

3533

<223> n equals a,t,g, or c

<400> 3890

ttacnaaana gaggatttac aaaaaccagc tagaggatat gatggaaaga agcaaataaa 60  
anncgggcag gcn 73

<210> 3891

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

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<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c



3534

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
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<222> (277)  
<223> n equals a,t,g, or c

<220>  
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<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<400> 3891  
atgcacacaa tgccacgtgc ctngtgaaag catgaagcaa aagaaaggat gagatcaaag 60  
cctgacccaa cttgacttnc tncntagnt gagccaccgc accttgctgc ccctntcctc 120  
cccttttggc tctgtcaaat gacctactct gccctntntc ccagntgctg ctagaccag 180  
agcacttgga gcaaccagct ggaggggttg gtaggctcac ccttggttggt ctgatttctt 240  
ggctccacag ttctcaatgg nttgagccag ctcanntctt ttctcacagg gaactggagc 300  
aaaaatcctg tangagcaat tcttgnggtt ggacaccc 338

<210> 3892  
<211> 70  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)

3535

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<400> 3892

gctgttttta aaaagtaaag ttcttagagg ataaaaacag ccaccaant ggngcntttt 60  
naaggatcna 70

<210> 3893

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

3536

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
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<220>  
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<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<400> 3893  
gagcgcgtn gnagacaang atncaaagac aagaagaaaa taattctgcg cacttaagca 60  
ctggagagaa aggattagga tagaatggga gaccngcttt gcacaannat tccanggtat 120  
aggcgccaan gg 132

<210> 3894  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>

3537

<221> misc feature  
 <222> (76)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (198)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (210)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (259)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (280)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (291)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (294)  
 <223> n equals a,t,g, or c

<400> 3894  
 cttacgatan tnttgngcan gtaccctgc aggtaccggt ccggaattcc cgggtcgacc 60  
 cacgcgttcg tgtttnctgt agactgaact gctagaaaga tgagatgtta aaattcaata 120  
 taaacttgaa gaattttgta taattataat tatacaaaat ataggtaggg tgcacaatgt 180  
 tatcaaatgt tnatcagnat caaatgaaan cacctttgat aagctgcttt tgaaaatgct 240  
 gccttttttaa agaaatcggn aattattgac atctgacagn actaacattg nggnagctgc 300  
 tctacagatg 310

3538

&lt;210&gt; 3895

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

3539

<220>  
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<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
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<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<400> 3895  
tggaaanttc ttctatantn ttaggcangt acccctgcag gtacacgggc cggaattccc 60  
gggtcgaccc acgcgtncgt gtggttccac ccaatatctc tcaggcatct acaaaggctc 120  
tctcttcctc cgtcagagtc tggactgggt tcactgggtc ttgntnnatt gactgancan 180  
atgtgattga caacagctgt gcctaggggt taacctagtg cccctgcta gatcaagtac 240  
ctgactccca gccagaatt gccatctca gcaaaggagg gtggcattga gacttangtg 300  
gatcataggc actnncatct tcatgagncc catcgcatat tanaataaa 349

<210> 3896  
<211> 69  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)

3540

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 3896

gccggnggat ccntgctgtg aggccaaggg cggcatgacc cgaggtggca agnagagcnc 60  
gagaacgac 69

<210> 3897

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

3541

<220>  
 <221> misc feature  
 <222> (155)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (179)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (190)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (202)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (216)  
 <223> n equals a,t,g, or c

<400> 3897  
 ggtggatgcg gangcttggg tgcgttcaag aattcaaact ttnaacccgt aaacccaanc 60  
 ggccattggg ccnaaaagn aaagggcatt ttgncttggc tttgggaaag gtttggttaa 120  
 aatggggaac cgggttttaa aattaaacct tgggnntttt ttaaaccctaa aggaaaaang 180  
 ggggttttctn ttttgaaaaa anaaaaactt ttgggncccc c 221

<210> 3898  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 3898  
 ggcctcctcc agcagagacc ctccggacccc tgcagggcct ggacttgggg tgaacagggc 60  
 ttcagtcagc gcaagtattc catttgcatt tggtaatttt tcatgccacc tatttatgaa 120  
 tatataaatc tttataccaa atctattttt taaaacatgg aaaagttgcc tttatggaaa 180  
 cttggcagag ccagagtgtc cacattccta aaccattaaa cagatttcta taacaaa 237

<210> 3899  
 <211> 53  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (3)  
 <223> n equals a,t,g, or c



3542

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3899

ganacaattt ggcaccactt tgggggcttt tggaaaatch tncccnagaa ngg

53

&lt;210&gt; 3900

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (290)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (371)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3543

<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (456)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<400> 3900  
cctgcaggta ccggtccgga attccccgggt cgaccacgc gtccgctgag ttagaaaaat 60  
catcttttcc aaacaccact gaaatcatgg actaggacaa ggtagccca tgagtgttta 120  
gaccagtgag gtgagcagct gctggggaca ggacccttgt ctggtatcga tggcagggaa 180  
ggctgtgagc ctcccctcgt gtgggcatca gcctcagcct cccagtgggg gtcaccagg 240  
gagcatatct cctggtgaga agtacaggag cttcacattc cctggatacn gtcccagccg 300  
aaatgttcac cgtgaatccg gcaacctgtg gagctgattt ccatttctaa ggaacgaggg 360  
gggatgggga ngaaccccc aggacagcac caacagtcct gcggggacct tttcccggac 420  
acccggtctt cttcgggtgt gangcatgtg gcnnngntccc gaaaggcccc nggggggga 479

<210> 3901  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)

3545

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (410)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3902

```
gcaattctga ggtgggtttat tgggagtcct tctacatttc tcttagataa ctctgcactc 60
tgggtggcta ttgtgtagcc ttactgcccc agagtgcctg ttagccaaat atttcccctc 120
tgataggaat attttctaag aatcagctga taacttgctg gctggacctt gttatctgtg 180
cccctgggag acacacgttt tcttgggtttt gaaaacctga aacacaggca actttacatt 240
ttgggggaatt agctgatgcc tcctgaagcc tgaggagggtg gcggggaata tgagcgggtgc 300
tgtctctctc aaaagtgcct tttagatgat tccccctcct agggctgcct gcaggggctg 360
tatgcttggg aaagattgtg tangtgacag tgaatcagaa tgaagtggtn agattttgtn 420
t                                                                 421
```

&lt;210&gt; 3903

&lt;211&gt; 51

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

3546

<400> 3903  
gagacttatt taattatgnn cnccatggaa atcactctcc ngttggnccta t 51

<210> 3904  
<211> 139  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)

## 3547

<223> n equals a,t,g, or c

<400> 3904

```

tggaantcnc tagctttgnt gcncaagtgt atgccgtgga tggactanat gagttactct 60
tcctatgggtg aatacgacgc atggggcgcat atataaagac tgggggtgna tagatcccag 120
aaanggtcnn tacgaggtt                                     139

```

<210> 3905

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<400> 3905

```

ggctgacttg cttattgagg tcggcagctc ccgagaagca ggagaagcag agtttttgca 60
gacagaccca cgaagtcaag catgcggagt gcagccaagc cctggaaccc agccatcaga 120
gcagggggcc acggcccaga ccgggtgcgg cctctgcctg cagcctcttc cggcatgaag 180
agttctaagt cttcaacttc cttggctttt gagtcccgac tcagcaggct caagagggcc 240
agcagtgagg acacgctcaa caagccagga agtaccgctg catcgggggt ggttcgcctg 300
aagaagaccg ccactgccgg agccatctcg gagctcacgg agagccgcct gaggagcggc 360
acaggggcct ttacaacaac taancggaca ggcattccag cccacggga attttcagta 420
actgctcaag anagaggtct ngtgccacgt ggtccctcca acctcangaa atnag      475

```

<210> 3906

<211> 69

<212> DNA

<213> Homo sapiens

3548

|  
<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<400> 3906  
gctcaagggtc tcctccttcc ctcccccccc ccccccgta cttggntnat caaccttnnn 60  
ggcatttgc 69

<210> 3907  
<211> 77  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>

3549

<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<400> 3907  
ntgttacttc tggttactgg ggncgtgccn cgctggcana gagccgccgc cgcgagggat 60  
gctgntgagg aagccgt 77

<210> 3908  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<400> 3908  
naaactgtcc tatcttggtc tgtaaaatat tagaacgctt tgttttacaa aaaatgatga 60  
gagaattctt ccacatgtac ttctgtgctt agaacatttt tacggaccta agcgctggag 120

## 3550

```
acgttgctgc atgtcggctg ggtttttttt ttcatacacc cgagcacgga aaaactaacg 180
caaaattgta ttttcttacc tagtggaat ctgaaatgac tgcaaattcc tagtgaatgt 240
acaggtttgc tttcgtgtcc ctctttgggt gctttaaaaa gtgacgtgta atttctgacc 300
catgtttaat ctgtataaaa aaacttctgc cccagttttc tctgnccct ataagagcca 360
acttgagttt atgccgggtg ncattataat tcaataatct tttttcantt aaaaaanaa 420
attaaaaaag ggcggc 436
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<210> 3909

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3909

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tnaataccct tggactatcc gactacttag ggaaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgntcc acgcgttng ttatatatnc anac 104
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<210> 3910

<211> 87

<212> DNA

<213> Homo sapiens



3551

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (40)  
<223> n equals a,t,g, or c

<220>  
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<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
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<222> (78)  
<223> n equals a,t,g, or c

<400> 3910  
aattcccacn gactattcgg aaagctgccc gcctgcaggn accgggccgg aattccccggg 60  
tcgtgccacg cgtttttnac agacgct 87

<210> 3911  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
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<222> (53)  
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<220>  
<221> misc feature

3552

<222> (54)  
<223> n equals a,t,g, or c

<220>  
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<222> (55)  
<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
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<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
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<222> (385)  
<223> n equals a,t,g, or c

<220>  
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<222> (412)  
<223> n equals a,t,g, or c

<400> 3911  
gtttcttnta gttcaataga tgtgcatang gtagcttttag caattaaatt ctnnngaagt 60  
tgatatagtc tcatttttaa ttgtcctgta atggaacagt agnaaattca ctaaactttt 120

## 3553

gtgttcagag ttaaattgnt ctcagtactt tcaatgtagg ggaatgtaat aaacatagng 180  
tgtatgtttg gggttttaatt acacatttta tatatgagcc atttagatat gcagtgttaa 240  
ttctatactg catttgaaagt gtatgtaact tagcttatgt taatgcagtc atgaagttgg 300  
tttgctccag catcacggta gtctttaaac attcttttag tgaaattgtc attgntntat 360  
cagtgcataat gtgtgcaagc agngntttta cctgcttttc tcctggcatc anaaagtggc 420  
ggc 423

<210> 3912

<211> 72

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<400> 3912

nttaataagc tagaantatt acaaccctg tgtntntggg ncttatcaaa tacttagtat 60  
catggggggt gg 72

<210> 3913

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

3554

<220> .  
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<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3913  
nccaggatta aaagccatga gtttcttgtc aaaaattttg ctgctctcct gctggggggg 60  
gggggggggc agtataccac ngaaatganc tatancaaag nctnta 106

<210> 3914  
<211> 701  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (540)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3555

<222> (561)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (636)  
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<220>  
 <221> misc feature  
 <222> (644)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (674)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (684)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (686)  
 <223> n equals a,t,g, or c

<400> 3914  
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 ggcccttggg ctcccttgccc tcagaagagg ggccccgtca ccctcagaag agggggccccg 120  
 tcaccctcag gtctgggcta gcccggacta gggaggtttc ccctcccttc tagacacttc 180  
 catggcccca gctgtcctga gacggggctc cagaatccaa ccaggcctga atggcacctg 240  
 ccctctcagc gtggagcggt tgccaagagc acgcgcactg cagggcgcca ggctagagcc 300  
 tggaaatcta agcggggccc ggccctgcca gctccatgga gtctagggtt cacaacgagg 360  
 caccgccaaa acccaggggg tgacacagga gggaaggggc ccaatggagc cagggcaggg 420  
 tgctgtgtgc acccacttgc actggccttg ccttgggtcc ctgccagccc cctggcaggt 480  
 gacactgtgt gtaggcagag cccgagcctg ggctgcaagg cattccacac acgcagnatn 540  
 canagagagg atccaggtca nggcccggga aagccttgca tgcttgggac acaagtcgtt 600  
 cttggaaaag gacaagcttg gaagggggga caagtnccca aaanacacgt taccggcttg 660  
 ggaattttcc tttnggccct tgancnaaaa agccttaaaa a 701

<210> 3915  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (9)  
 <223> n equals a,t,g, or c

3556

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<400> 3915  
gagccccgnt tatggaagat gaanaggagg atatgggggt ggaatgacct aatggagnaa 60  
aacacattnt 70

<210> 3916  
<211> 88  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<400> 3916

3557

gctcaaggtc tcctccttcc cteccccccnc ccacctagan tgggcctcat tgggcagaag 60  
ttgcagnctt tnttanattg cctgcaaa 88

<210> 3917

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

3558

<223> n equals a,t,g, or c

<400> 3917

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gattaaggga nngtcgttct cagtgaaaat ccaaaaacca gaaaaaaatg tttatacaac 60
cctaagtcaa taacctgacc ttagaaaatt gtgagagcca agttgacttc aggaactgaa 120
acatcagcac aaagaagcaa tcatcaaata attctgaaca caaatttaat attttttttt 180
ctgaatgaga aacatgaggg aaattgtgga gttagcctcc tgtggagtta ncctcctgtg 240
gtaaanggaa ttgaagaaaa tataaacacc cttacaccct tttttaatct ttgccattta 300
aaagtcttgg cttaactttt gaattccatt tagagaaaaa aattcnttgg taccaggaa 360
ttcatttcaa tttcnaattt gaaatagggt gnnng 394
```

<210> 3918

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c



3559

<400> 3918  
gtccatattt ctctgcatct tctcttggag tgagggaggg tacctggagg ggatcagccc 60  
actgacagac cttaatctta attactgctg tggctagaga gtttgaggat tgctttttaa 120  
aaaagacagc aaactttttt ttttatttaa aaaaagatat attaacagtt ttagaagtca 180  
gtagaataaa atcttaaagc actcataata tggcatcctt caatttctgt ataaaagcag 240  
atctttttaa aaagatactt ctgtaactta ngaaacctgn catttaaadc atattttgct 300  
ttagggaaaa gctttggtn gtgttcgtgt tttgnttggg tcacttggtt nccttcacag 360  
cccaaactt ttggtcttnt cc 382

<210> 3919

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 3919

atgcctcatt tgatgnccct ggtccgcttg cagggtccggc cggaattccc gggtcgccc 60  
cgcgctccgta atgatctgca tcagttgtaa aggggaattg gtatattcac agactgtaga 120  
ctttcagcag caatctcaga agcttacaaa tagatttcca tgaagatatt tgtcttcaga 180  
attaaaactg cccttaattt taatatacct ttcaatcggc cactggccat ttttttctaa 240  
gtattcaatt aagtgggaat tttctggaag atgggtcagc tatgaagtaa taggagtttg 300  
cttaatcatt tgtaattcaa acatgctata ttttttaaaa tcaatgggga aanccttagac 360

3560

taatttttaaa atngtnccat nn

382

&lt;210&gt; 3920

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

## 3561

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3920

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tggactgcat ttaaatncga tttccatctt aantgtgtac tcanatataa tgagangtct 60
cattcgactt antcttgact tctgtgtcat tctttaaacc ttttatggct agagtttcca 120
ctatcccaat caaagaattc agtncacatc ccagaatcca taaatgtgtt ctggncact 180
ctgtaataag gcaccaagaa ttaccactaa ttcatncaga ttttacctat canaatanca 240
c                                                                241
```

&lt;210&gt; 3921

&lt;211&gt; 110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3921

```
gcggaanatg gcccgcctgc aggtaccggt ccggaatttc cgggtcgatn tacgcgaccg 60
ntttaagacc nggtgataac tgagcctcaa tggngcagaa actnggggct 110
```

3562

&lt;210&gt; 3922

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

## 3563

<400> 3922  
gaagaacgng aanganggag accgcnggga gcagagcaaa accagggaac ccaacaaaca 60  
aaagaacggn gccgaagaac gggaaccgaac cccacccgaa gngccaagaa acccgaggan 120  
anccggaccc gcnacgcc 138

<210> 3923  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>

3564

<221> misc feature  
 <222> (136)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (154)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (180)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (185)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (263)  
 <223> n equals a,t,g, or c

<400> 3923  
 gggntttaa agccaggcct gccaggaccn ccaggcggna caggtgcnaa aggcctccga 60  
 ggaatcccag gcaacgcagg agcngatgga ggaccagggc ccaggggctn gccaggagac 120  
 gcaggnccng aagggnaccc aggaccccca ggnacatag gaccccgagg atccaaagg 180  
 gcagngggcc ancctggccc agatggatcc ccaggaccca ncggcctgcc agggccagat 240  
 gggccccctg gggaaagggg ccn 263

<210> 3924  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (13)  
 <223> n equals a,t,g, or c

3565

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>

3566

&lt;221&gt; misc feature

&lt;222&gt; (261)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3924

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aattgggcca ccnggggttaa cccccggggg gttncctccg ggggtaaaaa atnttcccc 60
cggggggggg ttncgggaa acntctccaa accgggcccg ggtttnaaac cgggnntttt 120
tttgggaaaag anaaattggt aaaattgggg gggcaattaa aaggncctt ttttttaaac 180
caaaggggcc naaccnaaat gggggcccaa atgggggttt taaagggggg cccaaaaagg 240
gttaaatttc caaaaaaggg ntnttaaaaa ttntttttnc ccnccttg ggtggt 296
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&lt;210&gt; 3925

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c



3567

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<400> 3925  
gacctctgct accgnggtag ctgacaacat atagnatgag gtttggatct aagtctgntt 60  
cctctcacat gattacttga cagctaagca tctgattggn ttactgctgt accactgagc 120  
tgaaatgccg tgtgnnccat tnatgtaaaa tc 152

<210> 3926  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>

3568

<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

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gggtcccgaat tccnggggtcg acctacgcgc ccgggatttc agancnattt ggccttaata 60  
catttccagn gtgaccngca gcaggctttt ttcccccaag aaga 104

<210> 3927  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

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<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)

3569

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 3927

aacgangaac ccttagcang aactcccgga aaatccnngc aaacttttcc ggaaanctgc 60  
cccgcntgca ggtaccggnc cgntaattcc cgggttnac 99

<210> 3928

<211> 99

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (19)

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<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (41)

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<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

3570

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3928

gttggngaac ccttaagann gactcccggt gaatccccgc naanttttcc ggaaaacagc 60  
cccgccggca ggnacacggt ccggaanncc cgggttnac 99

&lt;210&gt; 3929

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3929

gcacacaaat aatttattta gcatattggt ttctccaaat gttgttgatt tatattttgg 60  
aatactgtag tgctaagccc aaaacattta agtcggatga tcgaggataa tccttttagaa 120  
ttatggaaac ttggaattgg aacacagttt tagtagcctt tagaacaatc agcacacgtc 180  
aacaggacac tcccaccaga gcagtctggt tgaggcattt cttgaagcct aaatccaaca 240  
agaaggccca gtcacaaaat atggcagcct cactcacggt tccccattat gttgccttcg 300  
aattctgaa ctcn 314

&lt;210&gt; 3930

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

3571

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (296)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3930

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tangggcagc ctccgtcatc catgccctcc caggaccctc cactcactgc tgtgagtgcg 60
cctcaccaga accagttaag agacaactat caattcttga gacccaaatt ataagggccc 120
tgccctgtac tgaagaaaag gggagcaciaa ggccttaatg gacattgact tgtgaaaacg 180
caaacatgaa tatggttgga gagccctgga ttaggagggg gacatgggga aggcagagggc 240
tggcaccatg gtgactgcca cataataaag tgggtgatttg gaaaaaaaaa aanngnnn 298
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&lt;210&gt; 3931

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

3572

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<400> 3931

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ttacaaactc atttataant atacgtacaa aatggaaaaa tagaaaagta ggng 114

<210> 3932

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

3573

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<400> 3932  
anccgcaggc accttctcac tctcaaggaa ggnacnctcc ccctgcaggt accggtccgg 60  
aattcccgn tcgncccacg cntcntnaaa aacaanaaa 99

<210> 3933  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3933  
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3574

cccgggttcga cccacgcttt cntgacnatg ngtgaagga

99

&lt;210&gt; 3934

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3934

cgcttcnata ctttanngtc aggtacncct ccagggtaccg gtccggaatt cccgggtcga 60  
cccacngntc cganttnant ttcaaacc aa aaaaaaaa 99



3575

&lt;210&gt; 3935

&lt;211&gt; 52

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3935

tctgagantg ccgggccnct cagggcnggg ggagaagntg aaagtctaac ac

52

&lt;210&gt; 3936

&lt;211&gt; 88

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

## 3576

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3936

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canttctaac ttacatattt tttgaaag 88

<210> 3937

<211> 80

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<220>

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<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

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<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 3937

ggatantaga tgattgggta aacccccctaa tcagatagta gatgattggt tttnaatagg 60  
ttnanccnat gatctactat 80

<210> 3938

<211> 66

<212> DNA

<213> Homo sapiens

<220>

3577

<221> misc feature  
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<220>  
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<222> (34)  
<223> n equals a,t,g, or c

<400> 3938  
ctgatcaaga atttgngtg gacgtaggcc ctgntgagct tttataaac caaactctat 60  
atgaaa 66

<210> 3939  
<211> 117  
<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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<220>  
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gtattcatga atcacatagt tncaacgacn tcacacctgg gaaaggggaat attgcta 117

<210> 3940  
<211> 189  
<212> DNA  
<213> Homo sapiens

3578

<220>  
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<222> (111)  
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<220>  
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<222> (150)  
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<220>  
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<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<220>  
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<222> (177)  
<223> n equals a,t,g, or c

<400> 3940  
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cagtaagaag aaggaaaaaa gcaaagtgc aaacagtact atcataagcc nagaaaaaaa 120  
ctgcactgga aagaaatata ccaaactgtn ttntaaaaaa aaaaagnggc taggttnggg 180  
tactagaat 189

<210> 3941  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (236)  
<223> n equals a,t,g, or c

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<222> (268)  
<223> n equals a,t,g, or c

<220>  
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<222> (289)  
<223> n equals a,t,g, or c

3579

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

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agagagaggc cgatccgtgt tccccgtgtt gctatgtaag gaggtgcggg accgaggaac 120  
ctagggtgtg acagggacag gcaaggcggg ggacgaagag aaatgaaagc cacatcgggtg 180  
gcggatgttc tgaacacaac tcgctcgcta ccgcacgttc cccgctccgc actcancgga 240  
tccccgggacg gcagcagggtg gctcctgnac gtgcgcgggc tcctgcaang tgcaaagagt 300  
gcaaatgcac cttctgcaag aagagctgct gttcctgctg ccccntgggc tgtccaagtg 360  
tgcccatgct gcgtctgnca aggggcatcn ganaantgc 399

<210> 3942  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
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<222> (71)  
<223> n equals a,t,g, or c

<220>

3580

<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

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gaaaacatac nggagtctgt ctctgctatg gaatgccccca tggggcatct cttgtgtact 60  
tattgttttaa ngtttctca aactgtgatt tttctgaaca caataaacta tnttgatgaa 120  
aaaaaaaaatt aantaanaan taaaaa 146

<210> 3943  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
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<222> (5)  
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<220>  
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<222> (11)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature

3581

<222> (22)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
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<222> (90)  
<223> n equals a,t,g, or c

<220>  
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<222> (118)  
<223> n equals a,t,g, or c

<220>  
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<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)

3582

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (217)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (307)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3943

```

gaanntgaaa nctntctgac angaaatagt nctggatggg ttgaagatct gcngngaaaa 60
ataagtgtgc acctnagacc ttcagntagn cttttattta tttagaataa aaaatagntt 120
gataacctac cagagttagt gcttntttta aaacactcct tggaaagatg gggactgtcc 180
cttangaaag ccatanaagt gattnccaat actttgnaat tgcttttgat ttnnaggtec 240
tttggaaaca atgtgtgatg ttatgtctga tgntgtgttc ttagagctgt gaanagtttg 300
aaaaatntca aggggtttat ttaaattgatg aattatctgg ntgaaattat ggn          353

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&lt;210&gt; 3944



3583

<211> 52  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (15)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<400> 3944  
ggacatacac ngccnacagn ctgcgggcgn tganacctat actgaccctg tg 52

<210> 3945  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (20)  
<223> n equals a,t,g, or c

3584

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (450)  
<223> n equals a,t,g, or c

<220>  
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<222> (452)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<400> 3945  
agntgttacg cccgcagggn cccgnccgga attccccgggt cgacccacgc gtccgagcta 60  
ttacactagc ctttttagatn tactgttagac atctgtgaaa aattatgaat tggcctttat 120  
tacaagactt tgttttcaaa cctttatttc tgttccaatg taaatgataa tcgaacttta 180  
ctggagaaaa gacccatgat tttaaata gttntatgtc agcttatagt ttacatcag 240  
agtccatata gctgttagaa agttatgtgc tactgacaaa ataacagttg gcaaaacata 300  
agacaaaatc tacaatttta ttcacaggat ctaactaatg taccattatt attaccaatt 360  
gatctcagtg tgctataatt ttggtaacaa tttctttgat atgcttttaa aaatatatat 420  
atatttacaa ataaaggnat aatttttaan ananna 456

3585

<210> 3946  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
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<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (17)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (141)  
<223> n equals a,t,g, or c

<400> 3946

3587

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<400> 3948

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| gctgcctcca | tatcgtgagt | tgctagttgg | ccaccttgat | ttgctgccct | tcctggagca | 60  |
| gctgtactgc | tgggcaccct | gggtccaaac | ccacctccat | ctggacctgc | taggtgccat | 120 |
| tgtccaggcc | tttctccag  | acagctcttt | gtagacagt  | gcttcccatg | ctgactgctg | 180 |
| tccccagaag | cggaggctcc | atcacaggcc | cccatgccca | gcttgccctt | ttgtgcaggc | 240 |
| ccagtggagc | aggcagcaag | taaaggagga | nctggncacc | tggctgggac | cattgacact | 300 |
| ggctgagcta | cagngctggc | tgggcattgn | tgng       |            |            | 335 |

<210> 3949

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

3588

<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
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<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<400> 3949  
cnttcnttgg gcctttaatc tgccnatcca ttcgatgaca ttggaaggcc taatatatgc 60  
caagtctnac atgggatgca ttgagacata cganagactg ctatacctca ataagtattg 120  
aaaatccatt attaccata agggncatct taattcattt tanggaatna nattcatgg 179

<210> 3950  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3589

<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3950  
ntaggcctac tactaaaggt ggaagtntta gaggttaaaa tgggtgttcnt aaattagctg 60  
tatacacaat cattgncatt tactttatga aanggttagga gatn 104

<210> 3951  
<211> 314  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<400> 3951  
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cctggcctgc ggcagctgct tacacaacag tgcacagca ggtgctccca gggcttctgg 120  
gtcctgtga ccgctgcctc cccagtgtg catcgcccggt gggcaccag gggatggctg 180  
tctggaatag aggcagcagg gtccctgcacg ctgttcatgt actatccgctc cgtggggcgt 240  
gcagaacgtg ctgccggctc ttccctggctg cagccttctc cgacccagtc ctccagtgga 300  
gggggggatc cntn 314

<210> 3952  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>

## 3590

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<220>  
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<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 3952  
ggataattat ggataatctt tgatcctaca ccagaactct gcaaattggt tttttaaagg 60  
ttaattacaa tgtggaattt gaaactatat caatgaactt gtactcttac attaaaagtc 120  
attgctttac cttcaaaaaa aaaaaaannan atnnaaa 157

<210> 3953  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3591

<222> (61)  
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<220>  
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<222> (83)  
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<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<400> 3953  
caanaacctc anacttttagg taaaatcggt catcaagcat aatcccactg tgatnattca 60  
nggtccaatt aaaaatttga cgnatgattc caaatgtgac gngaattgaga tcataaaggt 120  
ctantatctc 130

<210> 3954  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)



3592

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<400> 3954

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gccagcctct ctgtggtaca tcgtgtattg cacggagtcc cttttcttcc agagatcttc 60
cttgggagcc ttttctctcc gcgcgtcccg tctcggtgcc gccttttgct cccgcgcgtc 120
ccgtctctcc acgcgcactt ttctctccgc gcgtcccgtc tctccacgcc gccttttctt 180
cccgcgcgtc ccgntctccc gccgcctttt gctcccgcgc gtcccgctctc cgcgccgact 240
tttctctccc cgcgtcccggt gtccatgtct cctccttgta acatctggag agatttcctt 300
cactttgtgc ctttttctcc atcgattgat ttctttgttt tacgtttaac aattaaagnc 360
ttaatttcta agaanaaaaa aantancana aa 392
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<210> 3955

<211> 138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

## 3593

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3955

gggtncataa tttngttcat aagactgaac tcctgatggg gacttctaca acttgnatat 60  
tcagacncga agangaccaa atattcatga aatactggct ntgtgctnat atctcctata 120  
agtcgaata tgctgtga 138

<210> 3956

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

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<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

3594

<221> misc feature  
<222> (174)  
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<220>  
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<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<400> 3956  
natagttgat acaagaattg tgaactcgtn tcatagatat acatacgaca tattgggtcga 60  
gatgctctaa ctgngcnata nggttgact attgcagtga tcttgactag agtttanggg 120  
gaagtaattg agatttcacg ggaatgcacg tancatatt gttacatgga gaantctagt 180  
gntccttgaa cnnttgatc gccccatta aaaaaaggaa t 221

<210> 3957  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>

3595

<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 3957  
ttacncaagt ggggggagaa taaatgttgt caggtcctgn gtctntcggc cattatgaac 60  
atgtcatngc gtgcctcatg taccangagt ggaaacacaa tcacctgcct anttca 116

<210> 3958  
<211> 126  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)

## 3596

<223> n equals a,t,g, or c

<400> 3958

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ngaaagctaa aaatgctant gagcggcatg atacgtgtga canttaacat gaagggttcc 60
acctgncaaa ctgtcatgna attcccgagt ggaccctttg ccatntttgt tgggcncaac 120
ttgact 126
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<210> 3959

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<400> 3959

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gcaaaaccat atttaatttc caggttatct tgaacaaggg aaggaaagat gttaaagctt 60
tgttttcatg gcctgtgtga agctgttaca ggatgtttgt tgccagaaaa ggctggatgg 120
ttttaagaag atgggtcttt ctcttccttc ttatgcttca attntatatt gtaccccaca 180
gcttctcttg aacagcctct tctgatgttn ctaggtagna ggaaccttac aaatacattn 240
atatatatgn 250
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<210> 3960

<211> 134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

3597

<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<400> 3960  
gaantntgct caatgatggg cctgtetaag attaccatag accatgcccg catctatggt 60  
ggacccangn ttacacagga ggacccgtaa ttnaattgtc atataaggac tttaatggct 120  
taaaaaaatt tngn 134

<210> 3961  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)

3598

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 3961

gataaaatgt acaccctna aaaaaaanaaa taanaanaaa aangtattaa tnaaaa 56

<210> 3962

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

3599

<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<400> 3962  
gcgcgcgccn cactcgccgc aggaccggcc cgcccggtc cgggggtgcg ccttcctcgg 60  
tcccgcgccc tccgggctcg cagggacgtc tcctccctcc cggctcgcgg tcccgcccgg 120  
nccggacncc gnccagagnc ccagcgcgnc 150

<210> 3963  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



3600

<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<400> 3963  
gtgcgacaat tgcaagttaa ttannncnccg gggaaaagga taggacanat ccctggaccg 60  
gtagagacta ggccacncca ttgcatagtc ttgtatgaag ctgcgaanac ttcgttcgct 120  
aggcgagaac aagtggacgc ctcgttacac atgtacagca aaatgactgc tgggtcaagng 180  
atgaataagt gtntgagtaa cgcttgctgn nnacga 216

<210> 3964  
<211> 149  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3601

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<220>  
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<222> (144)  
<223> n equals a,t,g, or c

<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<400> 3964  
ntacaaaang ggatatatat tatgaaatgg tcatttttnt gaananaata ttttgcttga 60  
aatgcatagg actgaaagag atttgtatgt tgttgattaa tgtaacttca tactgnaact 120  
tttaaaaana tttnatctgt aaancntg 149

<210> 3965  
<211> 139  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (34)

3602

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

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<222> (108)

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<222> (121)

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<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 3965

tnaatgttta aatantttag ggatgtgcct ttcnncttat gtcttgctgt atgtagtagt 60  
atgtagtagt agcatgatta tatgaagntt caatatgcat taactaangg gataactcaa 120  
ngtaatatng aagaaanac 139

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<211> 117

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (15)

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3603

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<223> n equals a,t,g, or c

<220>  
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<222> (117)  
<223> n equals a,t,g, or c

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ngggtgactc tttgnccatg tgaggtggta tattcncagg atnctgctgg caagagatgn 60  
tattctgcc cagtctatca aatgatctct gattctttac gtaatggggg ctnattn 117

<210> 3967  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (66)  
<223> n equals a,t,g, or c

<220>

## 3604

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<220>  
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<222> (85)  
<223> n equals a,t,g, or c

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gacttgatga atgagagaca agaaagatag ttgcagantc atgtgctcat gaatgcatan 60  
aacacntatc anaagcaaaa atggnttgaa gactttgaaa tact 104

<210> 3968  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (375)  
<223> n equals a,t,g, or c

<220>  
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gattttaagc tatttgagat tgcttttggg aagatcacta gatttatgga ggaattagtc 60  
acaaatgact tgtagaaaat actgtcatat agttcatttc atcattttct gttgcaggaa 120  
gccactccac cacagaatgc taatatgccca gtggtaccca gtacctcttg tatatagggt 180  
attgcaaata ttgttctgaa atgcttaact tcagaattac atttttttaa gtaaataatt 240  
gttttaaatc tattttgtaa agatataaag tacaatagaa tttctggagt acagattaaa 300  
ctatttgcac taacacacgt gacgtgcatg atttaataaa ataactttac tctccctaaa 360  
aaaaaaanaa anannnaa 378

3605

<210> 3969  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<400> 3969  
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<210> 3970  
<211> 84  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3606

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<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<400> 3970  
gaaacaatac ataanttnat tgaatctata actngnttta agttgatata atgcattgta 60  
ttatatnttg aaacagaata aaag 84

<210> 3971  
<211> 92  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (30)  
<223> n equals a,t,g, or c

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<400> 3971  
gatttnccttg agtcttgtag atagaaaggn agctgtcaat tnnaaatcag ttnttcagat 60  
tttactgtgg aagcatattt aatgcacaca tt 92

3607

&lt;210&gt; 3972

&lt;211&gt; 238

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3972

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ggctttttcaa tctattttaa gtacagctct ttttccctta tttctgattg tttactctgc 60
catttttcctt taattgtctt ctatatttgt tgaatgctta gcttactaat tttcacttta 120
aaaagaaagc atataagggtt acttatatga tttttcctct gagaagtgtt ttaatatcat 180
ggattccatt atgcaatatt ttcattatta taatttctaa ataatccaaa aaaaaaaaa 238
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&lt;210&gt; 3973

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c



3608

<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

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cgggtcgacc cagcgcgtccg ggggcggggg tctatacttc ataccgcgcc taggccttgn 120  
tgatgaaagt tncacacaga annagcanct ac 152

<210> 3974  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (52)  
<223> n equals a,t,g, or c

<220>

3609

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<220>  
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<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
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<222> (132)  
<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

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cacacatgcc actatgagct ttinnacncc agctgtgaag agactctgtg angcttgctg 60  
actgtttgca gacctctctc tgacatggcc ttggcaggct gttggaaggc atctagtgga 120  
ngccgatnnc tncgaccact cataccttcn catgc 155

<210> 3975  
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<212> DNA  
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<220>  
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<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3610

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3975

ctggaactgn gctatcccct atgagggtc aatggaactn gangtctagg atgcagcctg 60  
tncacttgcg accntgttta gaggggtgt acttgaattt 100

&lt;210&gt; 3976

&lt;211&gt; 67

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3976

gaacganggg acgtaacgga agcangttgg aaccggttgc cgtcgccnng aaccngggga 60  
accagcg 67

&lt;210&gt; 3977

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 3611

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 gtgtctaaca aacttaaagc tactgtagta cctaaaaagt cagtgttgta catagcataa 120  
 aaactctgca gagaagtatt cccaataagg aaatagcatt gaaatgttaa atacaatttc 180  
 tgaaagttat gttttttttc tatcatctgg tataccattg ctttattttt ataaattatt 240  
 ttctcattgc cattggaata gatatctcag attgtgtaga tatgctattt aaataattta 300  
 tcaggaaata ctgcctgtag aagtttagtat ttctattttt atataatggt tgnacactga 360  
 atttaanaat tgntgggttt ntentt 386

<210> 3978  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
 <221> misc feature

3612

<222> (257)  
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<220>  
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<220>  
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<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<400> 3978  
ggctgcctgt acacctgctg cctacatctt cttggcaaca aagttacctg ccacaggctc 60  
tgctgagcct agttcctggt cagtaataac tgaacagtgc attttggctt tggatgtgtc 120  
tgtggacaag cttgctgagt ttctctacca tattctgagc acacgggtctc ttttgttcta 180  
acttcagctt cactgacact gggttgagca ctactgtatg tggaggggtt ggtgattggg 240  
aatggatggg gganagnan gaggacacac nan 273

<210> 3979  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>

## 3613

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<400> 3979  
gtctgaaagg aggaattttc attttccttt aaagtgaaaa ggtaaaaact gcatttacta 60  
aaccaggccg gtgggggctc tgtgagcccc tntgcacagg aagcctnaga gactctgcat 120  
gggtgttcccg gngcatcctg gccaanagtgg gagaan 156

<210> 3980  
<211> 59  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
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<222> (54)  
<223> n equals a,t,g, or c

<220>  
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<222> (55)  
<223> n equals a,t,g, or c

<220>  
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<222> (57)  
<223> n equals a,t,g, or c

<400> 3980  
gctcaaggtc tcctccttcc ctcccccccc cccccgtnt atctttcant gtgnntnta 59

<210> 3981  
<211> 82  
<212> DNA  
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3614

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<220>  
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<220>  
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<222> (81)  
<223> n equals a,t,g, or c

<400> 3981  
ggcagggggg ncgctgcagg ccttagggga agaaccacgg gacanggtag aagacaaacg 60  
ttgnattggg gcttccttn na 82

<210> 3982  
<211> 296  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<400> 3982  
gcagatactt agatgtttat tgatatgaga ctatgtggtt aaaaaaccca agtatgtcca 60  
tgtgtttctt ataaggtaca cttgaaacta gtgagtgttt gtcacatttc actttcatgg 120  
tatataaaat gcagtttgca tatataactt gaatatctgg tactagtttt ttcacgcctg 180  
caatcttgga gtctagggtg ccttgctctc ctatttttaa ataagtgaaa tttgggagat 240  
tgtaaaatct gtaaagtttg ttttgtgaaa ataaaatggtt cacagtagaa aaaaan 296

<210> 3983  
<211> 133  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

3615

<220>  
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<222> (13)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<400> 3983  
tctngaaaag cctgcngga cttccccagg taccctccg gaattcccg gtcgaccac 60  
gcgtccgccg cctcttnggg gctttaggcn ggcttgcccg cgctngggnt tccnctga 120  
cagtgggtgtg tgg 133

<210> 3984  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c



3617

<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

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gaaggannct tctnttggaa agccctnact atagggtaag ctggtacgcc tgcaggtacc 60  
ggtccggaat tcccgggtcg acccacgcgt ccgggtggan ggataggaga aggtcctgag 120  
tcagtgtgtg gtggagggat aggagaaggt cctgagtgtg gactgggtgg agggatagga 180  
gaaggtcctg agtgaggact gcatggaggg ataggagaag gtcctgagtg agtgcttggg 240  
ggagggatag gagaagggtcc tgagtcagtg ctgggtggag ggataggaga aagtnctgag 300  
tnaagtgtg ggtggaggga tagganaagg tcctgantgt ggactgggtg aaagggatag 360  
gagaaggtnct tgagtgagga ctgggtggga gggataggag aaagtnctga gtgaggactt 420  
gngtggagng ataggaaaag gntcttgaat ga 452

<210> 3985  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (44)  
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<220>  
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<222> (74)  
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<220>  
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3618

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<220>  
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<220>  
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<220>  
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<220>  
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<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)

3619

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<400> 3985

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acactgattt ttangctggn ccctcttggg cttcatgcaa agacaantnt gtgtaaatgn 120
acagaagact ctgatttgga aatatgaaaa tcagtncatn cttgntataa aaaatntttt 180
nacaatngta attatattga agntcatatt gngtaaaata actcatttaa taaaatagaa 240
ctttgattca cngacaaaaa aaaaaaaaaa gggctggnca gctctaaagg atccaagctt 300
acgtacnngt gnatgc                                     316
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<210> 3986

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

3620

<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<400> 3986  
gctnaaggtc tntccttcc ctccccccc cccccgtn tatntttang acaataa 57

<210> 3987  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

3621

&lt;400&gt; 3987

gcaccnaccg gtccggaatt cccgggtcga cccacgcgtc ntgagggtttt aagatgccgc 60  
antaggattg gatgaatggg aaattntgct tgcnagcttt 100

&lt;210&gt; 3988

&lt;211&gt; 108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3988

antatctaag acaccagac ncatgcggnc tgtccaaca gctgccgcac actaaatgnt 60  
gaangagacg gcacctgac caagtcagtt acagaaccgc tnagaatg 108

&lt;210&gt; 3989

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

## 3622

<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3989  
tgagtctatg ctaatgaagc ctgtaacgcc ttgcaggccc attgggaagg agaanggncc 60  
cagancatct gttacccan aaacaggggc nctatatttg agcc 104

<210> 3990  
<211> 85  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

3623

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3990

gaagnccagn acaccattct tgtccttacc cagtttcctc gccctncacc cctccagctt 60  
catgctcagn gtngtgctta ataaa 85

&lt;210&gt; 3991

&lt;211&gt; 66

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3991

gcgccaagnt gtcnagctg gaggtcgtcc tgcacagac ccaacaatga catggcccgn 60  
canctt 66

&lt;210&gt; 3992

&lt;211&gt; 128

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3624

<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 3992  
ggaaccccn tatagggttg ggggacgctc ccnggcgccg gacggccaca ccgggacggc 60  
ngacgcgaac ggcgcgtcca ntntcacc cgcgacgagg gcntgtgcgg gcagcaccca 120  
gggaggtg 128

<210> 3993  
<211> 144  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)



3625

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 3993

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tcccccccta taggtttgcg ggacgncccg gaatncccg gtcgaccac gcgtccgaca 60
ctcttgggct tacggttgcc aggaagcctt tcccctccag aagacttgcc tgtagggac 120
ctcgctnnt ggggancntc cctn                                     144
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<210> 3994

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

3626

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

## 3627

<220>  
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<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<400> 3994  
gctcgtgcaa tggngtgcgg gctggaaaga ttgctgcagc agggacatcg ctgcctcctg 60  
gcttaatact tgaacatttt gnataatatt ctgtgtatat aattgatgtg cagnaccaat 120  
gacaaaaata tgggtgtcata atagaaccag nnnngtngat cttttagnta tgggctcaaa 180  
gaatctattc atctctaaca tgatattgga aaataatgga tgaaaatagg naaaatgatn 240  
gcaatgctga ctgaggggtc taaaagggtnc tggaaagcag tangttcatt tntctaaaaa 300  
ctataacatt ctggaggagt atnttcttcc ttacgtnaat acttttcctg cantatttga 360  
aatngtgggc tggggagaaa cagt 384

<210> 3995  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3628

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (141)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3995

```
tgacnagngg acaagatcgg gntcanagaa aacgggcacg acagcaccag aacatggggg 60
aaatacgcca gattngagga ggccaagctg aatgaaaacg gagacgcagg atgaagaaca 120
cactgcagac canngagagn n                                           141
```

&lt;210&gt; 3996

&lt;211&gt; 516

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (391)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

3629

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3996

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gatttctaac cccctttcct cctaatatgt ttatgtcata attttggcta gattagtgt 60
tacgatttac ataattatta ctctgtaaat gctttttatg atctctgagc catgtagtat 120
attatggcta tttttctttc ttatctatgt gtatttttat tgttattacc taaaaaaaaa 180
ttttctatgt cttatcacta attcttcctt aaaatttccc acaattgtgt aaacttacct 240
cagtatattc atagatatga gacattctat caattttacc ctcttaaaga tgcagagata 300
atgcattatg nttcatecca ccattctttaa tgagaagctt ccattcttaga ttaatattag 360
agaatgttaa aatactctgc aatcaggtaa nggacgcttg aaacttcatt ataatgnaaa 420
aggttttctt ttaacaccat aaatattttg aaccctttnt ggggncttgt attcatangg 480
agtttagaat ngacccttta ttacctattt tttaaa 516

```

&lt;210&gt; 3997

&lt;211&gt; 68

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3997

```

ggantaagaa aaagaaaaag aagagaaaga gtcagaagga acgtgataaa gaagtaagcg 60
atgatgag 68

```

&lt;210&gt; 3998

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3630

<220>  
<221> misc feature  
<222> (1)  
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<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

3631

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 3998  
nccgcctcacc ttggaancct tctnctatag gtnaagctgg tacgcctgca ggtaccggtc 60  
cggaattccc gggtegaccc acnecgtccgc tctgggtctcc cagcacctgg cccaggtaac 120  
agncttctga aagcagagcc aagganctgc ntctctcttc tcccagttct acctccccag 180  
aagccttcct ccccagggtgg ggctgatgga gcaagggtcc agactaggag ccttccaccc 240  
cagntgtgtc tggcgcccct agatctctgc aaggagggtg ttacagctgg atctgagccg 300  
cttgccctgt gatggtaaga caccaacctt tacattcttc cctgangttg tggctgacag 360  
agcctgcttg gccccactcg tannccancg agctcctata tcana 405

<210> 3999  
<211> 138  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3632

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<400> 3999  
ncnctanagg aaagnttcgg actataggtc aagctgggtac gcctgcnggt accggtccgg 60  
aattccggg tgcacccatt cgtccggatt tttccttttc ggatactagg ggatgaatng 120  
ggaanntaaa gngaaaaa 138

<210> 4000  
<211> 83  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)



3633

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<400> 4000

gggaatnttc aatttaaaaa tgagtaaatt canggnacga ttgaatgccg ttcagttttn 60  
tggaatgaat gacattngca ggt 83

<210> 4001

<211> 154

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

3634

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<400> 4001  
gncatagtta caatgcaagt aaactggata ctagttcttt tgncagatnt gttaaagtca 60  
tgcagaataa tatcntgaag agtattgatt gaagnttgatg atattcatca ataaaaatga 120  
gntgataata tgcanaaaaa aaaagccant aaaa 154

<210> 4002  
<211> 648  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (589)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (602)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (603)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (609)  
<223> n equals a,t,g, or c

<220>

3635

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4002

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gaaattatgc ggctgcacct tgccaggtac aatggtaagg aaaactaaag ggagatctag 60
aaaccagcct gacatattaa agagggcttc tgcagaggtg agcttagtct gaattatgga 120
agaactttcc aggcagatac aaatgcaaag gccctgcagt gtgaggagct aaccacacac 180
aaggatggag agcagttcat agtgactgga gcccaggggtg cagctaagga gctggagagg 240
gggaaaggcc ataccaagga gagcctnatc caaagagttt ggaccattaa aggattctag 300
gaagttcaag ctggagacag caaggaagat gtattggaag tgggtgagag aggggtatgga 360
agatggttaa gacactcttg gagtaatcaa atgaaaaata atgaaggtag aaactaaagc 420
agggataaaa aggatggcac tgactctaga ttgttgagtg aaatagatgg catttgggga 480
caatagatta cagtctaggg agaaggattt gagactagga taatttccca gtctcttaaa 540
tgggtgangtg attggtgttg cccctgagta ccgaaaggaa gggaagttna ggaatgggat 600
cnnatttana cagttgggat attttgaatt tggatgtnta aggaaccc 648
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&lt;210&gt; 4003

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (232)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

3636

<220>  
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<222> (293)  
<223> n equals a,t,g, or c

<220>  
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<222> (311)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (437)  
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<220>  
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<222> (442)  
<223> n equals a,t,g, or c

<220>  
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<222> (451)  
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gatttaaata ttggcttttt ccagtgagct attatgttta gtgtacagtg aaaagtttta 60  
atattatagg ttaaaatttt cttaatcggt cttttctatt cgcttgccaa ggggtgaatga 120  
aagaacatgg ctgcttctcc cagactgact gacctggca tccgcataaa gcatcattgc 180  
tttcaaaaat gaagggtgct taattgntcc cttttntcta tattctgtag gnetcatnac 240  
ancaaactgc antctacagc ttcttaaagg tcagcgtgtt aacctaacat atnacacagc 300  
aagaatctgg ntgtctgaac tattttaaat taaggagcca gatgttttta gtcaggctat 360  
tctgaccaga cttgacctaa acttcnnttt tattggcata acnggccaat ataattcttg 420  
ggccaatttg gccaacngga cnagaaaaaa nc 452

<210> 4004  
<211> 180  
<212> DNA  
<213> Homo sapiens

3637

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

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ggttgaaagt catggaacga ataaagtgtc agatttaggg ttaacatttg ggtctgtttg 60  
actctaaagc ccatgttctt tctgtactt tctgttactt cttccctagt ctttaacagt 120  
aatcgttcaa ctgtgattaa actttgcctc tctggaaaaa aaaananaan aaaaaaanna 180

<210> 4005  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (465)  
<223> n equals a,t,g, or c

<220>  
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<222> (474)  
<223> n equals a,t,g, or c

<220>

3638

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<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

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gaatagattg aaagcctctt agtgcaggaa gcaggcatca gtatcaaact gatgtcatcc 60  
aatgtaatta ttttaagctc caggtttgtc taagtttggg tgaagaatgt tcaggaacat 120  
gtttgcaaca tacagttatc cagcttacct tttgacagat tcacccttct catcaaaata 180  
cacagtaagc ccaacctaaa aattataagt ttacaaataa aggaatagaa aaacccaaaa 240  
agctaagtga cacataaaaa ttatcttttg ctgcaataaa taggtatgga aatatttgta 300  
gaattgggtt aactgatttt gtaaaacaaa tgtcatgcta ttttgccata gtgagacatg 360  
cagtagttct taaaatcaca ttaatagaag gcaagaacat tggaatcaga cttaacagat 420  
acagattcag tgataatgac cattgactaa natacttagg aactnctgag aacngatgtn 480  
tactgnctcc gtccaactga tgacttatgg gtatagataa tggatttt 527

<210> 4006  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
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<222> (97)  
<223> n equals a,t,g, or c

<220>

3639

<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<400> 4006  
gggaangccc ncaggtagcg gtccggaatt cccgggtoga cccacgcgtn cggttgtgtc 60  
ctntagttga gtttctggcg cccctgcttg tgcccgnatg tgtgcctggc cgnagggcgg 120  
ggctgggggc tgncgagcca ccatgcttgn ctgaagctt 159

<210> 4007  
<211> 123  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
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<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3640

<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

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gtgnagggnt tngggaacgc ccccaggtac cggtcgggaa ttcccggggtc gaccacgcg 60  
tncgtatttt taaatttggg caacccttna gtgcaaggaa tnaaantagn actgatttga 120  
cag 123

<210> 4008  
<211> 142  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)



3641

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<400> 4008

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gcttctanng gaacgctntg gataggnctt ntggggaacg tttcccggta ccggcccgga 60
attcccgggt cgacccacgc gtccgggatc aagacttgga accgcanaaa acgaaatccc 120
atagnagnac aaagnntggc tg                                     142
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<210> 4009

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

3642

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<400> 4009  
actantggaa aggcctatng ggaaagtttc cccggaaccg ccccggaatt cccgggtcga 60  
cccacgcgtn cggnttctcc tgtttctect tntgctcctg accccacgtn cttgctcttg 120  
gngcccctat tg 132

<210> 4010  
<211> 528  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

3643

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<400> 4010  
actactttgn ttaggtggna cgcggcgca ggtaccggtc cggaattncc gggtcgaccc 60  
acgcgtccgc ntntttattg gagcaatcca aaatagcagc tgnccaacaa tacaggaata 120  
cagaagacag tttgaatcac actcattttt tctgaaattt tcaacttcat agaaaggcaa 180  
ttgagtttag aatagagagg tatttgtgtc atgatgaata accatgatct catccataaa 240  
aagaaggcca tatggtcttt cagacaagaa agaattgtat acctgaaatt aagtacaaag 300

## 3644

cagtatacaa ataaatagtt gaggggaagaa atcagtgaga gttaaaatag taattataaa 360  
gtgggtgagat tgttttcagt ctcattgtna tactgnttac cattaacacg ggccataaat 420  
gnatataaat gttgagtttt agaaagatgt ataatatgta ttattttaca tccttttaac 480  
atatgtatat gtttcaagtg ntnanccaat ttatatnggg tgcaanca 528

<210> 4011

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

3645

<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
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<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<400> 4011  
gccccgtacc ggtccggaat taccgggtng gacccacgcg tccggcacan ttnntctnac 60  
gcccgaattc aaatcctgta aggatggaag aaacggcctg gagaatattc gggatgagac 120  
accacttgta ttttgatcna atcagacctn ttgacctnn anttacaggg caagattctt 180  
aatgaaaaaa gaggttcaga gatgatgana nagacacgat atttggactt tctgtgggcn 240  
atnacttggtg aaacgtccat tcnaactg 268

<210> 4012  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

3646

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<400> 4012  
gggtggtttt gccttttttt atttgggagt ttatttttta ttttcttctt gacctacccc 60  
ttccctcctt taagtgttga ggattttctg tttagtgtt ccctgaccca gtttcaaaca 120  
gagccatctt ttacagatta ttttggagtt ttagttgttt taaacctaac tcaacaaccc 180  
tttatgtgat tcctgagagc agtatgaggc ctgcaagaaa gtgatcatat aattgtatct 240  
tcactttctt tttatttttg tattacattg ggatgcattg tcatgcatat tttttgtaga 300  
ataaattctc ctttgctata aaaaaaanaa natnanatna 340

<210> 4013  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)

3647

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4013

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gggaaattttt ggcggtggta actatgggtg tggtgggaac tataatgatt ttggaaatta 60
tagtggacaa cagcaatcaa attatggacc catgaaaggg ggcagttttg gtggaagaag 120
ctcgggcagt ccctatgggtg gtggttatgg atctgggtgg ggaagtgggt gatatggtag 180
cagaagggtc taaaaacagc agaaaagggc tacagttctt agcaggagag agagcgagga 240
gttgtcagga aagctgcagg ttactttgag acagtcgtnc caaatgcatt anaggaactg 300
taaaaatctg ccacagangg aacgatgatc catantcaga aaagtactgc agcttaaaca 360
ggaaaccctt cttgntcang actgt 385
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&lt;210&gt; 4014

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (176)

&lt;223&gt; n equals a,t,g, or c

3648

<220>  
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<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<400> 4014



## 3649

ggacagaaatg tgctgcantg tttctgatcc aatgattcaa gtaatgtcat caagaacctt 60  
gngaaccgcg ctnacacccc caccctctt tcaaccacaa cattggcatc atnctaaggc 120  
tggctaccct cgtggtcacg ggatgattgc cagtagcagt tggagccttg tgcattttca 180  
tttacatgca ncggaagagt caggctggat tctaggggcc ctgtntaat atganaangc 240  
ttttcccagg aatttactgg ttcataatcct taggtctcat tgctctatag taacttagac 300  
ctgtcatcct ganccantcn ctggcaaagg gnctagaata acctttaagg cng 353

<210> 4015

<211> 67

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<400> 4015

gctcaaggct tcctccttcc ctcccccccc cccccgtga gannctttta aaaataaana 60  
antgtan 67

<210> 4016

<211> 92

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

3650

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<400> 4016  
gagccantag aattgtgctt tgtgatccag ggctcttggn cagaacagcc ttctngctca 60  
ttaactcagt caaccaaattg cttncgtgngt tt 92

<210> 4017  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3651

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4017

tacctnactg ctgctgtcgc aactccctgg tcnngactct gatgtncagt cggatggatg 60  
gggaatatan cattgaactg tgttgnttac cttcactatt cgg 103

&lt;210&gt; 4018

&lt;211&gt; 227

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (186)

&lt;223&gt; n equals a,t,g, or c

3652

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (206)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4018

```
tcgcttgccg tacctgtccg gnaccgggtcc ggaattcccg gntcgaccca cgcgtncggc 60
ccttcctcca ttgttgccct ggaatgtacg ggacccaggg gcagcagcaa gtccangtgc 120
cacaggcatc cctgggacat atgaagctgg gagcaaggaa aggggtcttag tcnctgnctn 180
ccgaanttgc ttgaaagcac ttgganaatt gtgcacgtgt catttat 227
```

&lt;210&gt; 4019

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4019

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ncctaactct atgtgcacct ggagtangat aatnaaaatc ctgantgctc tctttgcctt 60
ggctctgttc tcaatgggtga cgactgccac cacnacatgc n 101
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3653

<210> 4020  
<211> 107  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (52)  
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<220>  
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<220>  
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<220>  
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<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

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tacaanaata tgagtaagcg gagcgactcg gttaagggaa agcaccgata tnactcggct 60  
ttctgctgnc nttcgtggca gagggactcg gaatnatgca ctntaag 107

<210> 4021  
<211> 129  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3654

<222> (12)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<400> 4021  
gtatnacatt anatctacaa nacttccatt nattaggaag cacattaacc atttntatag 60  
catgatatct taaagatgga ggcaaaagga tataaattct ataatingact tgagnacttt 120  
aanccttgt 129

<210> 4022  
<211> 57  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)

3655

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 4022

gctcaaggtc tcctccttcc ctcccccccc ccncacgtat tcanagnggg ngnccttg 57

<210> 4023

<211> 180

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<400> 4023

## 3656

tatntggnac nccngcccgt accgggtccgg aattnccggg tgcacccacg cgtccgattt 60  
tgtcctacct gcattctgta aaaattgaaa aaagaacaat tgaatccatc attgggcaga 120  
tgaataaaag gagataagga tgaaattaaa ataagggttct aatcctaaaa aaaaaaaaaa 180

<210> 4024

<211> 347

<212> DNA

<213> Homo sapiens

<400> 4024

gcaaatatta agaaggttta ccactcatag atccttacta aaagagatat tataggatgt 60  
tcttttaggaa gaaaaaataa atactggagg aaagagtagg ttaaaaaata acaagaaaac 120  
ataaagtata attcattatt ttctgtaaaa aatatttttc ttacaaatgg taaaactaaa 180  
tctctagcca tcaataataa gatgggtgct attttacggg tagtaaaagc atgataaagt 240  
cttttagtaag ttaggggaaaa gaccaaattt aggaaatgat tctgtacagt attaaaaaaaa 300  
gacataaata tatatgtcaa agtggttaagg ataactagta aaaaaaa 347

<210> 4025

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 4025

ggccaaggta tttcttgtgc ttttgggagc ttatgctgtt tgnaaaatgt tactgtccaa 60  
tggttgatta ttgttttggg ttcaggcatt tgctgaatag gtgatgatac atgggtattt 120  
ttctgcaagt atttaaacca ggggcatatg caaaggcagt tgtaatttcc tcttgaaaaa 180  
agcgccaaat gtttgaaggt taaaatcaaa tgctagggtt gatatttagg cttataacaa 240  
aataggcttg ttttcaaagc agttttttcc tagagtttta actgtttaat cactagtttg 300  
ctgctgtttt taactatgtt aaataacata tggtatttgg caaatagatt tattttttcaa 360  
aatgaaaaan aaaaa 375

<210> 4026

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c



3657

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 4026  
ccgggtngac ccacgcnnge cggccgagct gatctgtaaa ncgctcagga ataagtanta 60  
cgaggggggg gatgggtgta agacaattgg cccggggaga aagaggggnc gannaaacgg 120  
a 121

<210> 4027  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>

3658

<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<400> 4027  
nngaaacact gtctatanta acggactgga ccgtatgacg ggngctaacc cgggccacgg 60  
tgtagagacn atgctactcg atgacgtgt gagaccggac taaatgggag tggagaacgg 120  
gttaggggtgg acgcttgaag atgagcatta tatcacaaca cngtaatgaa acctggtgcc 180  
catgnngacc cgaagacttg tntcttcage atgcatgggc cttcnaata 229

<210> 4028

3660

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<400> 4029

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agcttttttat ataccagca taacttgga acaggtatct gacctattct tatttagtta 120
acacaagtgt gattaatttg atttctttaa ttccttattg aatcttatgt gatatgattt 180
tctggattta cagaacatta ncacatgtac cttgtgcctc ccattcaagt gaagttataa 240
tttacctga ggggtttcaa aattcgacta gaagtggaga tatatnattt atttatgcac 300
tgtactggat tttatattgc tgnntaaaac ttttaagctg gcctcactta ttaaagcaca 360
aaatgtttta cttactcctt atttacgacg caattaaaat acatcaatag attttttaggc 420
tgaattaatt tgaaagcaca atttgctgtt ctcaccattc tttcaaggct tttcattgtc 480
aaaggtaata aaaaaggtag gacaattaaa gtgaaaaaaa aaaaaaaagg gcgggccgctc 540
tagaggatcc aagcttacgt acgccgtgca tgcgacntna tannctcttn tatag      595
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<210> 4030

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

3661

<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<400> 4030  
ctccccangg tccttatgca catgtggact gcactgaaaa gngccnttgg attgaatcat 60  
natgatctat gagaggcatc catcctggat ttggaanagc tcaaatcnga agttaccag 119

<210> 4031  
<211> 522  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
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<222> (481)  
<223> n equals a,t,g, or c

3662

<220>  
<221> misc feature  
<222> (506)  
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<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<400> 4031  
ctccgactta cttttaggga accgctggta cgcctgcagg taccgggtccg gaattcccgg 60  
gtcgactcat ncgtccggag caaactgctc agcgcgtctc agctcagtgc cgaggaggag 120  
gaagaaaaac aggccgagtg aaggtgctgg aaaggaggag aggacgcgag gggaaaggcc 180  
tgtggggagc cacgggcgtc agagagaccc gggaaggag gctctcgggt gggggagcca 240  
ggagacctgc tctccggcgc agacaggcgg ggcccagcgc tctcctggac gccccgcgcc 300  
gcacagctcc cggcgggtgc tctgaggcct cactactcga gccacccag catcccgcgc 360  
gcccttcctt cccgaggaac tcgcctcagc ctgatcaggc ttcctggtga gaactganga 420  
gcggactcac ttgatgtttc ctggaagcag agcaaaatgc tcttgtcctt gtcgcgtctt 480  
nattttgccc atgtccccc gtgcancngg ttcnatnngg tt 522

<210> 4032  
<211> 352  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

3663

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
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<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 4032  
gccagaanct gcagatccag aatgttcaaa gaaagagccc tccttgccctt cctntttcttc 60  
caccctcgcc ctctgcagac tgggggttctg tanaccnca aagtaagtcc gccacaccgg 120  
aaggaagtga gttacacagg ggcccacatg ggaaccgctt tttgtcctgt cttggtggga 180  
aaatggccac gaccccgacc caggctctgc cagccacaa ctccacgggc atagcctgtg 240  
aggccgcagc gtgaactgtg actagggtg aggatggtgc catggtaaaa gtganggcct 300  
ggcaccngt caantgcatg aattcttngn agtgggggtg ggaaaaacac ct 352

<210> 4033  
<211> 132  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3664

<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<400> 4033  
gcaggtaccc ggtccggaat tcccgggtcg acccacgcgt tcggcgctta tcagcatccn 60  
gtgacngncg gtgctgcngn ctaacacaca cctaatagaca gacaccaaca gccatacgct 120  
tggggagccc gg 132

<210> 4034  
<211> 275  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)

3665

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

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<220>

<221> misc feature

<222> (196)

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<220>

<221> misc feature

<222> (217)

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<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<400> 4034

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ggaaatccct taagctggtt cgcctgnagg naccggnccg gaattcccgg gncgacccac 60
gcgtccgaaa gatagcaang ataatagcgg tggagaccca ccngcacaaa tgcacccaag 120
agacaagcca ttacataca gatattnaca gtcacacata gaaacaccca catggacaca 180
aggaatgttg ctgcanagac tgaatgacat gcaacangtg aaggnttata cggatatcac 240
aangccaggt aagcgctcat aaatcacana caata 275
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<210> 4035

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature



3666

<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<400> 4035  
gaannntcnt cggaanacc cctactatag gtaacgctgg tacgcctgca ggtaccggtc 60  
cggaattccc ggtcgaccc acgcgttcgc ttattgattc cagacccatt tcagcagact 120

3667

gtgacacttc agcgacctgc aaattctaca cattagagtn catatTTtat acaaactncg 180  
tacacctaag atgtggactn aacatttcta cnaacaacat ccaacttcaa caaaagatgc 240  
ang 243

&lt;210&gt; 4036

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (183)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4036

gcttanttag tctggctcaa gtactttggt tacaatnaaa atggatatta tagcatttaa 60

## 3668

tagaagaaat ggntatggct tatccaaaaa gaatgtcagc atgacctggt gtagacttaa 120  
aaaactacat gtttgtgaat attttataat gtggaatgat cattgaaata ttnaggattn 180  
tangtaattg tatttcctga ataaacgtat gttcatgaat tttctaactt acatcttgta 240  
gtgnnctctg c 251

<210> 4037

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

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<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

3669

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<222> (144)  
<223> n equals a,t,g, or c

<220>  
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<222> (146)  
<223> n equals a,t,g, or c

<400> 4037  
ttggaaanan cncactatan ggttaagctg gtacgcctgc aggtaccggt ccggaattnc 60  
cgggtcgacc cacgcgttcc gcgaccgacc ttcagcaggg ntgaggntac catgttctct 120  
cgcgcgggta gncactgggc atgncnagtc tggaccttg cagagcgcaa atgga 175

<210> 4038  
<211> 293  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3670

<222> (168)  
<223> n equals a,t,g, or c

<220>  
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<222> (184)  
<223> n equals a,t,g, or c

<220>  
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<222> (234)  
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<220>  
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<222> (240)  
<223> n equals a,t,g, or c

<220>  
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<222> (248)  
<223> n equals a,t,g, or c

<220>  
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<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 4038  
gcccgnggtt ttcannatt ctgcattnac gttgaccatt ttaccaagat gataaaacat 60  
gcattatttt ctccatttta taatttttac agggggaaca gcgaagccag atgattttatt 120  
agttattgcc ggtganaata caganatcct ttgaaacatt tgtctctnct agaattctca 180  
tcanaccata tgcttctaac acagcactta acagtcattg ggagtatgtg ggantaacan 240  
atactcgntt cctgccana accacacata caccacaca cttgaaanaa aaa 293

<210> 4039  
<211> 87  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>

3671

<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<400> 4039  
gaattntaag aagacaatca agttttatta gaaacaaaaa ccatgttgga agaccaacta 60  
gagggaactc gtgccttata nnattna 87

<210> 4040  
<211> 59  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 4040  
gnaaaatntn tgtgantaaa ttctctcttt gatcaataaa aaaaaaaaag gggcggncg 59

3672

<210> 4041  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

<400> 4041  
aaaaaaatac gngggnaaaa agccccaant ttttggggaa aaaaaccccc gnccttggg 60  
aaacnttaat taagggggcg ggaaaaaggc cctgggggggt gaac 104

<210> 4042  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3673

<222> (305)  
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<220>  
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 <222> (343)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (381)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (392)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (410)  
 <223> n equals a,t,g, or c

<400> 4042  
 gagcctgaat aaaaacagaa atggacacat aatatgcata ttccatagtc tttgggaggc 60  
 tggaatgtgc ctgggatttg ggtctaagtg tatgcgtaat tcttacctca ctaaagaatt 120  
 tgccttgttt ttttcctttt ggtgagtgac taaaacgtct gggcttcctt gtgtgcgtgc 180  
 tacagtaagc aagcagaggc tgtgcaaagg tgtgagcagg atcacgtgga atctggagga 240  
 tacatcttgg cttgcaaact gcctctgtct cctgngtggg actgttctgt ccttgccactg 300  
 ctgnnctgtg gttacctctt ggggtgtaag gttttgctta canggaacat actttgggcg 360  
 tanaatggat ccattgccaa ntctctgtgc tnagaaagaa aggtgcttcn gtt 413

<210> 4043  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (51)  
 <223> n equals a,t,g, or c



3674

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<400> 4043  
tttcaccaag gagctatacn tgggccaaga cccggatact tatccgtttt naccttgnac 60  
cctggaaatt gaatgggnacg gaccctgatg antttcatta tgattgggca cg 112

<210> 4044  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<400> 4044  
ggttgcacat gattgtntaa gcatgctttc tttgagtttt aaatgggggn ntagg 55

<210> 4045  
<211> 374  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)

3675

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

3677

gggggaagtt ggaaaaaat gntattttta aattatggng cccentaaca tng

53

&lt;210&gt; 4047

&lt;211&gt; 403

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (401)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4047

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gganaatttc acattaatat ttgctgacag ctgaccttg tcattcttct tctattttat 60
tccctttcac aaaattttat tcctatatag ttatttgaca ataatttcag gttttgtaaa 120
gatgccgggt tttatatattt tatagacaaa taataagcaa agggagcact gggttgactt 180
tcagggtacta aatacctcaa cctatgggtat aatgggtgac tgggtttctc tgtatagtac 240
tgncatggta cggagatggt tcacgaagtt tgttcacgac actcctgtgc aactttccca 300
atgtggccta aaaatgcaac ttntttttat tttcttttgt aaatgttttag gtttttttgt 360
atagtaaaag tgataatttc tggaattaga aaanantcga ncn 403

```

3678

<210> 4048  
<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<400> 4048  
gntctgntgg aaagggccag gcactcagaa gtatcccatg cttgaaattc ttaattttat 60  
ctttgaattt gtgtttttta agtgaagtcc aatgggacag gttctcagtt gccctggccc 120  
actcgagctg ccctggggct tctccctacc ctccctgac ccactcttgc ccaggcagcg 180  
ttgggattgc accctccgaa tctcagggca ggggtggctgg taccacagca cattaggcag 240  
gcaagtgggc aggggcctct cacctgtccc atccctgcag ggaagttgca atccattagg 300

## 3679

gctgtagtaa cggggagtct gacttctgtg ctctgtctca ggccgggaat ttgcaactgg 360  
gccttgtaaa tcatgtanat ggcacagggt gatgagtacc attattatcc ctattttata 420  
aagagagtat taaagagaag taacttnacc aactgcaaaa atgtctatac atatatccca 480  
natggattta aaaaactang cccggccatg ggtngnctca aacctggaaa tccca 535

<210> 4049

<211> 123

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 4049

cgncncaccg ggccggaatt cccgggtcga cccacgcgnc cggaaaaaaa aaacattctg 60  
cgaatgaaat atngnatggg gagagggttat aaaagacatt ngnaaaaagcc caatttacag 120  
ccg 123

<210> 4050

3680

&lt;211&gt; 252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (220)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4050

```
gaaatgcttt ctaactgggc ccccaactcc gcaccccagt tcgcagtgag gccctgggtg 60
ggtcacctgc cctctctgga cttgtttctt caactggagg aggtccctgc ctatgctgac 120
attccattgt agaaaaatgg ggcctctggt gtctctttac caggggcaag tgcctctctg 180
cggggggagga aaagctnaag gttanctgtc ttaacccaan tgacttacca ggcctacnaa 240
atgagtcant tc                                     252
```

&lt;210&gt; 4051

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

3681

<220>  
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<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<400> 4051  
gcacaaaact gattttaaaa tcaagttaat gtgaattttg aaaattacta cttaatccta 60  
attcacaata acaatggcat taaggtttga cttgagttgg ntcttagtat tattnatggt 120  
anataggctn ttaccacttg caaataactg gccacatcat taatgactga cttcccagta 180  
aggctctcta aggggtaagt ctgangatcc acangatttg agatgctaag gcccacanaga 240  
tcgtningatc caaccctctt attttcagag gggaaaatgg gg 282

<210> 4052  
<211> 143  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

3682

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<400> 4052  
gatgccact cactttaggg aaagctngta cgctgcagg taccgggccg gaattcccgg 60  
gtttgaccca cgntttcggc aaagcaaccc cctgcttatn cacgnggaca ccaaggcggn 120  
ccacggngcg gggaagccca cag 143

<210> 4053  
<211> 131  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c



3683

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 4053  
accactact atttgnaag ctggcccgcc tgcaggtacc ggtccggaat tcccgggtcg 60  
accacgcgt ttgctgagat gagggcttta gcctacaggg ntttttgaaa tgaaaggagc 120  
tnagntannt a 131

<210> 4054  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<400> 4054

3684

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gcaacttaga agaaatcatt tagtgactta attctttcta aagatgaaat gggattgttt 60
tttactcgtc ttccttggtta aatcattatt taagccggtc ttattgacca attcctgaca 120
cttgattgtc tcctaagtct ttatccatca ccacctgggc tcctgcatcc tcaactgtgga 180
atcaggcacc agccacataa tgttccagac aaagcctgga aggggtgtgga cccagacgtg 240
gagtggagtg attctcttga cgtttacata tatctctgtg tctctccatc attccaaagc 300
taaattgtaca tgtttagaat aacttatttt ataaactctt cgggagacat gttgagattt 360
gaccgtaatg aangcccatt ttcctgaaaa aaanaannnt 400
```

&lt;210&gt; 4055

&lt;211&gt; 156

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

3685

<223> n equals a,t,g, or c

<400> 4055

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ggccnaccac ccggttttgg ttggcncggc cgggcttggg ggggcctctt aaaggngccc 60
ttaaccacaac cccttttcaa ngaaaagttc naaccctggg ggggcnaana tggttggggc 120
ttacccttgg gccnaatgcc gccaatgaag aaaagg 156
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<210> 4056

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 4056

```
gggacctgga gcccatcccg ggagccttgg acgctgtgcg ggagatgaac gacctaccgg 60
agtaaggaga gaggggggcg ggcggagtcc tgggggggct cctggctccc ggcggttaacc 120
gcgtccttct ccgcagcacg caggtcttca tctgcaccag cccctgctg aagtaaccacc 180
```

## 3686

actgtgtggg tgagaagtac cgctgggtgg agcagcacct ggggccccag ttcgtanaac 240  
gaattatcct gacaaggagc aagacngtgg tcttggggga cctgctcatt gatgacaang 300  
acacagttn aggccangag gatgaccca agctgggagc acatcttggt tacctgctgn 360  
cacaatcggn acct 374

<210> 4057

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<400> 4057

ggacgcgtgg gcggccgtga agtagcgttg gatgcgtgtg cctgtgtgtg tctgggggtgg 60  
gggtgagggg cgcccgggc cgcggtctcn agtagaagg gcccggaggc ggngagcggt 120  
tcggcggtgt catcctggac cctgggggct ggcngggcgg cgtgtgcngt ctnggagggn 180  
ccgaggcggt gga 193

<210> 4058

<211> 345

<212> DNA

<213> Homo sapiens

3687

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>

3688

<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<400> 4058  
gatttctgga atggatttaa taggctgtgt ctaatgtaca aactgggtga gtcctgcctt 60  
antgtgtcct gcccaccgg tacgcttcca ggatactntt tccccctctg taaagatcac 120  
tttcttctga tggccagtgt nantatgatg tcagtnaggt ctgggggatga tgacagtggg 180  
tnctgaaatt cacaggactg actcctcacc ccagtgcacg angattnctg tggcangacg 240  
gtgctgctgt acctggngta ggancctaata catngaacca tcngctgtta cctcacatct 300  
ctatgtctaca gaacatatca tgtctcaaga aggatttggt ggang 345

<210> 4059  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

3689

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<400> 4059  
ggtgagtatt aaatatttca gaagtgtgaa tttcatgtat ttgagctcct ctagttgctg 60  
tcggtttttc ttctgctgcc aacctgtgac tcacaaatga ctaggatctc ttgttcttta 120  
at tttaggggt cttgttccag gactcaaadc agtaacttgg tgattacaag gtgctgaatg 180  
tg ttggtaac catatcgcaa tacacctcaa ggaaaagggt cagattttta tttttaaaat 240  
at tt tcat ttttcttgaa ttntatatcc gtttgttcac tcgtacatgc ctagcctaca 300  
naaggggata tatattatga aatgggcatt tttctgaaga gaatattttg cttgaaatgc 360  
naaggactga aagagatttg tangttngnt gatttttg 397

<210> 4060  
<211> 193  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>

3690

&lt;221&gt; misc feature

&lt;222&gt; (193)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4060

```
ttcggctgcc tgtacacctg ctgcctacat cttcttggca acaaagttac ctgccacagg 60
ctctgctgan cctatgtcct ggtcagtaat aactgaacag ttgcattctt ggctttggat 120
gctgtctgcg gacaatcttg ctgaggatct ctaccatatt ctgagcacac ggtntntttt 180
gntctaactt nan 193
```

&lt;210&gt; 4061

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (192)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (255)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (266)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



3691

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4061

```
gattggcaca tgggtggaca cggatctgct gggctctgcc ttaaacacac attgcagctt 60
caacttttct ctttagtggt ctgtttgaaa ctaataactta ccgagtcaga ctttgtgttc 120
atttcatttc agggctcttg ctgcctgtgg gcttncccag gtggcctgta ggtgngcaaa 180
gggaagtaac anacacacga tgttgtcaag gatgggtttt ggactagagg ctcagttggt 240
gggagagatc cctgnagaac ccaccnacca naacgtgggt tgnctgaggc tgnactgag 300
agaaagattc tggggc                                     316
```

&lt;210&gt; 4062

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4062

```
gggaaaaaag ggccttgggg tttatccgtc tccttggcca aggggggttaa tcnccngggt 60
tctcnggggg aaaatatttc ncnccggggg ggttctgtat ctc                               103
```

&lt;210&gt; 4063

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3692

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<400> 4063  
aatggcaaca cacaggaact ttgattagga aaacttgggc caggcacagg cagaagtcac 60  
ttttcattca tccttgccaa cgtgtganct tcagaagant ggaaatgatg gactatcaac 120  
accttcngcc tacgactcaa ataanaantt gatgactt 158

<210> 4064  
<211> 74  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>

3693

<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 4064  
ttttgggaaa aagcccccn ntttttgggg ggaaaaaat cccnggaac ttgcaaact 60  
ganttttttg nggg 74

<210> 4065  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 4065  
gctagaggag tttgtatcaa tttgtgagta ttaatgtcan gtnctaccag cactttgcc 60  
aaactgtcan agggaccgt ttctanagt agtcccantt acat 104

<210> 4066  
<211> 70  
<212> DNA  
<213> Homo sapiens

3694

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4066

gctcaaggtc tctctcttcc ctcccccccc ccccccgta tatcttttnt tngttttttt 60  
aaanttagga 70

&lt;210&gt; 4067

&lt;211&gt; 53

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4067

gcggtttctg gntccgacgg tagtgggtag nggntctcgg gttgcggggtt gca 53

&lt;210&gt; 4068

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

3695

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<400> 4068

ccngtgaaat tanngctntt ggggacatga aatatatgga gngataaatt atagaacaca 60  
gtattccaag aataaagtac tcttgagggt ccttcctgat tcaccctggg gtacacacag 120  
gtgcatactc cctgcctctc acccatccag agaaaacnct ttgcantgac tcangtccaa 180

3696

nagcactgct cttgggtgga an

202

&lt;210&gt; 4069

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4069

```
ggtttatgga tttttaaaag tctcattagc aatgatttct gagtttttaa caatttgtgt 60
gtatgaatga acttcgggca tttgggaaac ttaatctgct ccatggatat aattgtaatt 120
gttttacatg ggaatttaat acaaacctaa caatcaaadc cctctcatta aattttacat 180
tcattcacta taaatggact agatttttaa actcagaaac ctaaaaataa gatgaagtta 240
gacaacttta gattttgtgt ggtgtgtaca tctatgtgca cagnatgtaa attatctttt 300
attggattgc ttaatagaat aaanaagtan aaatttaatt cctgngng 348
```

&lt;210&gt; 4070

&lt;211&gt; 115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3697

<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<400> 4070  
agagnccaaa aaggccacgg gataaacgga cacccgacaa gagataaaca cagagatata 60  
cagggaaaaa natanacaca gagagatata gaacncnaa ccggcagata nacag 115

<210> 4071  
<211> 52  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)

3698

<223> n equals a,t,g, or c

<400> 4071

gatggaagta atttagattt ggaanantca tacataaaat gattntagtn ca 52

<210> 4072

<211> 89

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 4072

gctcttcctc tcaggcgggc agggcttggg cagcggcctg agtctcagcg gacttgncga 60

ccctcgagtt gaatcggntt gnngagcng 89

<210> 4073

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature



3699

<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<400> 4073  
gcaggtaccg gtccggaatt cccgggtnga cccacgcgtc cgnaaaagct tgcagctgtt 60  
gcggngtgta gntgttntg ttgatgacca atggggaaaa 100

<210> 4074  
<211> 52  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

## 3700

<400> 4074  
ggtgttgctt ttacggncan agctgactnt gttgaggntg angttaaaag tg 52

<210> 4075  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3701

<222> (234)

<223> n equals a,t,g, or c

<400> 4075

```
cctacaaacn ccatggtaat ncnactacaa cagggaaagc tggtagcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgctcccca atgcaggcca cttctcctcc 120
ctcctctcta aatgtantcc cctctcctcc atctaaaggc aacattcctt acccattant 180
ctnagaaatt gtcttaagca acagcccca ntgctggctg cccccaacca agcnttgggg 240
ccgccatcct gcctgg                                     256
```

<210> 4076

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

3702

<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<400> 4076  
cttcaggagg aagcacattt aaatcatctt tcaagcactn tatttttttn gtncannaat 60  
tcaaccttat tgatagaaga gaacttgac cactccaaga actgattgaa aaactcacnt 120  
canaagacag ataaaaggat gcanagcttn tgcaaattgg tcctnaaatg a 171

<210> 4077  
<211> 331  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3703

<222> (169)  
<223> n equals a,t,g, or c

<220>  
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<222> (174)  
<223> n equals a,t,g, or c

<220>  
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<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
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<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
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<222> (315)  
<223> n equals a,t,g, or c

<400> 4077  
ggtcagncaa nngagtcaag atttaagttt acaagaggct gaaactgagc aatcagatac 60  
tttagataat aaagaagctg tcatacctaan ggaaaaacct ccatctggac gccagacacc 120  
gcagccttta aggcatcant cttacatctt ggcagtaaata gaccaggana ccangtcaga 180  
cactacctgc tggctgncca atgatgcacg tcagaggtcc acataataag aatggaggaa 240  
agaaaagcct cgagtccaat cccgctggcg antctttgnc ttncatccca tttatagagt 300  
cctctgatgn ccagnctgga gtgcaattgg c 331

<210> 4078  
<211> 152  
<212> DNA  
<213> Homo sapiens

3704

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
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<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (119)  
<223> n equals a,t,g, or c

<220>  
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<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<400> 4078

## 3705

aggganaagn tggnacgcn gcaggtaccg gtccggaatt ccngggtcga cccacgcgtc 60  
cggaggagcc gggctgatgc ggggctgctc agggcaggcc cnagggcgag ctngccatng 120  
aggccaggca gcctncacct gtgctncagt gg 152

<210> 4079

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3706

<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<400> 4079  
gatgnccant tgggncngaa ttccngggtc gaccacgcg tccggtactc cctaaatttt 60  
ttaaaataca tataaatgct tgacattatt atacatgtaa gtggaataga aatagaaaca 120  
gaaaataaat gtttcaaggt gttttacacc ntgaaaaaan aantnn 166

<210> 4080  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
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<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<400> 4080  
ccgtaccggc ccggaattcc cgggtcgacc cgcgcgtccg ggatatctng ggggccatta 60  
gncagcctgc tatnaccatc agtcagcngg atntaatcaa 100

<210> 4081  
<211> 136  
<212> DNA  
<213> Homo sapiens



3707

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
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<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<400> 4081  
tgactgnaat gaaaagaacg nggccttttt gcaacgcttg aacctgagat caaggntgtc 60  
attgagcanc ttnaacctgg gcaccaccct gggttgcaac ttgcaaaaaa ccttcggatt 120  
tggggggatgg gnnacc 136

<210> 4082  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

3708

<220>  
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<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
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<222> (28)  
<223> n equals a,t,g, or c

<220>  
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<222> (38)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<220>  
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<222> (199)  
<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>

3709

<221> misc feature  
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<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<400> 4082  
ggancttgta ctggnnnggtc tccctgcncg tactcggncc ggaattcccc ggctcgacca 60  
cgcggtccgaa gaagcgaaat tttattctgg atcagacaaa tgtgtctgct tgcttgccca 120  
gaaggagaaa aatgngcctg tnttcaggct ttccnncgaa aacttggttg aagttggcca 180  
aaagatgaag actattgcna aagacccagn ataaacntaa ttnaagggaag agactaccan 240  
acatgcgggtc ttaaaatgaa aggaactttc ctccaaa 277

<210> 4083  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

3710

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 4083  
ggnccgnggaa cttctaacgg gaanactcct atagggaant ctggtacgcc tgccngtacc 60  
ggtccggaat tcccgggtcg acccacgcgt ccgcaaatta ttagtgtata actctgaatt 120  
gaatttagat ctctttgatt ccaaggcttg ggatcttaca tgccccctta ttaggtagga 180  
atagatactt catgaagatg ataacatgcc atctacagaa tatgatatgg cattgatgtg 240  
acactttacc tacaaaatat cttatttctg agtcctccgc aagagaaaaa gcaattttat 300  
ttttatggga caagattgga tgntacattt ttaatcaatt acatgnaagt gtattctacc 360  
tttaaaattg ctatggaaaa gtttaattat ttccaacagg anttatnact atcan 415

<210> 4084  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3711

<222> (26)  
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<220>  
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<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 4084  
tcaacnggca cggctcccng tttaganact ggcccgctg cangtaccgg tccggaattc 60  
ccgggtcgac ccacgcgtcc ggccccgcag ctctccggg agcccgctgg taactcgcgt 120  
ccctcgcgt tctccggcgc ctgagggggc cgcctcgggc catggtgctc tcccaggagg 180  
agccggactc cgcgcggggc acgagcgagg cgcagccgct cggccccgcg cccacggggg 240  
ccgctccgcc gcccggcccg ggaccctcgg acagccccga ggccggctgnc nagaangngg 300  
ang 303

<210> 4085  
<211> 122  
<212> DNA  
<213> Homo sapiens

3712

<220>  
<221> misc feature  
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<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
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<222> (59)  
<223> n equals a,t,g, or c

<220>  
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<222> (92)  
<223> n equals a,t,g, or c

<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<400> 4085  
gnaaagttct tatgntagta tacatatataa tatcagtgtt ctgacatgta agaaaatgnt 60  
acggtatcac acttatattt tatgaacatt gnactggtgc tntaatatga gcttnantat 120  
aa 122

<210> 4086  
<211> 148  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>

3713

<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
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<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
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<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<400> 4086  
catgcagaga atatnctgaa gaantnaagc gtgactgctg gcgaactgtg acacgggtga 60  
gctcgatcac atcnctctca tacatcattc attnaagcat ttcttttagcc cacggatcca 120  
gacccaantg ctntgtatgt gnagatac 148

<210> 4087  
<211> 177  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3714

<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<400> 4087  
cggcccgga ttcccgggtc gacccacgcg tncggtagga gtcaatgatn acatcctagt 60  
nttaacaagn tacagataat cgctgactgg catgtngtct gcttctagct tggagctaaa 120  
tgctgctcat gctgaaaaga ataatgncta tntctttggn tgggtattag ctctatt 177

<210> 4088  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)



3715

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<400> 4088

tcactatatn tgagggcgang gncncctgca ggtaccggtc cggaattccc gggtcgaccc 60  
acgcgtccgg anttaggtct attaggataa ttaggagttt gancccatca acactattct 120  
tgtagcagtt aggaatcttg agctattttt ttctcatacg attactatag tccagtttac 180

## 3716

caaagttttc tttagatgtc tgataatctt gagatgattg cttaccttaa aaggtataga 240  
aaggatcact taaatatatg gaaaaatgaa ataagggatga agctgaataa agnnctactt 300  
actgnattaa aaaaaan 317

<210> 4089  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3717

<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<400> 4089  
nagttcactg aaaacttttta ctatatattga ggcgtgggtnc cctgcaggta ccgggtccgga 60  
attcccgggt cgaccacgc gtccgatgggt gtcatttttc ctgcagagaa atttaatcctt 120  
tcactttaat ctttcattgg cctatagcag ccagtgggggt cttttaaaaa attcttttcc 180  
ttcatattcc ccgtttgagc ttaaggtaca aaaaaagaaa atactcttga aatgctgtga 240  
ccagatctag actgtaacat gccccttcgc tcctctgggtg aggaagtgcg ggaaggtgga 300  
agacattgag ggggttgatta ttactnctgt ttggaagtaa gaaggagggt agctcttatt 360  
tggaataaga gctgncttca gaacaggtgt gngctctcct gaagcccaga gctgngactc 420  
cctgggtgtg tctcttacct gtgcccttgg gcaagtggca cgggagaaga atacgannag 480  
aggaggatgg tacagacaga ggagtcacan gctgaacang ctgtcaccgg ggcaagatga 540  
ctgacang 548

<210> 4090  
<211> 51  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<400> 4090

## 3718

gctcaagggtc tctctcttcc ctcccccccc ccccccgta ttnanntgnc c

51

<210> 4091

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 4091

gattntcgcc agggccaata cttatccgca ggggtgtgtg ccaggcagcc caggtcagcc 60  
 tccctccacc gggccaccgc caccaggttg cctcccatcg ttgacaggag cggaagaccc 120  
 gatggagcag gtttcacagt gccctcgctg ctgcctcccg ttcatctgc acgtctcttt 180  
 caatgcgggc gtgcgaactt ccaggtagag ccgagttcaa gaaaatgaag tactgcatgc 240  
 gacgagcaag tttattgaag aggggtgtgag gtcgcggcgc ctgaccctca ttatgtcaag 300  
 ttactactaa atgaaattag aacttcactg ncctttttct ttttcccatc gaggtgcaag 360  
 aggaattgan cttanggtag nattttggga tttaaaaaa an 402

<210> 4092

<211> 214

<212> DNA

<213> Homo sapiens

## 3719

<220>  
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<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
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<222> (93)  
<223> n equals a,t,g, or c

<220>  
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<222> (177)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<400> 4092  
gnctgggttca caggggaatct agttactata ttgaangctg gtacccctgc aggtaccggt 60  
ccggaattcc cgggtcgacc cagcggtccg aangactaca gagccccgaa ttaataccaa 120  
tagaaggggc aatggctttt aaaataaaaa tgaaagggga attaaaacag cttaaangtt 180  
aanttaaaaa gtggnagggg aataaaanaa nttg 214

<210> 4093  
<211> 98  
<212> DNA  
<213> Homo sapiens

3720

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (69)  
<223> n equals a,t,g, or c

<400> 4093  
agagggatnc tggaaaccct ttcgggantn aaggccaggt acccctgcag gtacncgggc 60  
cggaattcnc gggtcgaccc acgcgttcgc taatccag 98

<210> 4094  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (17)  
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<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3721

<222> (90)

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<220>

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<222> (113)

<223> n equals a,t,g, or c

<220>

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<222> (119)

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<220>

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<222> (126)

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<220>

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<222> (138)

<223> n equals a,t,g, or c

<400> 4094

agacanaagt ggaattncgg aactacattg aaagcnggta cccctgcagg taccgggtccg 60  
gaattcccgg gtcgaccac gcgtccggtg gcatggggga aaatcgagtg ggnccaggng 120  
ggcaancgaa gcaaggcntt ggcgtc 146

<210> 4095

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

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<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

3722

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 4095

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tgtatctttg taaaaaaaa gatctttata aacaatatat gaatgtgcog ncttatttat 60
tgattactgt aaattaagat ataaatggct atttgaataa tttataacctg tgggaattaa 120
ctggagtatt tgttatttga ctgttttcta ttaaggaata ttaggcttgg tgctatgatg 180
aatgatcttg taaaatcatg tgtattctta agaaaatttt tgaatataaa tttcttgaac 240
tgacaaaaaa caaaaaanna atntataaaa tnanaaaat 279
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<210> 4096

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature



## 3723

<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
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cgatatat ttt aaactttccc tctatattat aggttttgtg gcatncacgg tcaggtgtag 60  
aggaagctgg ccccttgcag aactgtactg aaaaattttt aataaatatt ttcacaggac 120  
tgaattgacc acaggggctt gtaataaaaa ttttnacact ggagctggga aaaccaanct 180  
attgggggga aatcntccaa tttggaaagg nctacctttc atggggccac cctggaaaan 240  
ntgggaagtg gggtaatnag cctaattgaa ctttttcccta a 281

<210> 4097  
<211> 222  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<400> 4097

## 3724

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gcgaccatct caatgtcacc aagaaatggt cctaatacctg agtcgtcacc cttggatttt 60
atggatcacg gagctgacca tctttacctg gtcctggaac tgaaaaactg tagcttgtgt 120
gaaaatgagc ctttggacca gtctttatta aaacaaacaa acatgaaaaa naaaaaaaaa 180
natctaanaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aa 222
```

<210> 4098

<211> 235

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<400> 4098

## 3725

cgaatagacn tctntggaac gcctactata gggatgctgg tacgcctgca ggtaccggtc 60  
cggaattccc gggtcgaccc acgcgtccgc ggacgcgtgg gagaatatgg gataagtagt 120  
cangatcaga aaggtgagac aataaaaaca agatatattc caaagcctaa tcctaaattc 180  
tgnttcaaat tctttatcat atttcaagnn ctttctcata ctncantgat cttgg 235

<210> 4099

<211> 66

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 4099

gaaaaaana agagatagaa taaaagggtg aagacagaaa aancaagagn aanatgaatg 60  
taatnt 66

<210> 4100

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3726

<222> (293)  
<223> n equals a,t,g, or c

<220>  
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<222> (307)  
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<220>  
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<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
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<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<400> 4100  
gcaagcataa ggcaataaat acctgcagca acgtgggaga aagaagttgc tggaccagga 60  
gaaaaggcag ttatgaagcc aattcatttt gaaggaagca caatttccac cttatttttt 120  
gaactttggc agtttcaatg tctgtctctg ttgcttcggg gcataagctg atcaccgtct 180  
agttgggaaa gtaaccctac agggtttgta gggacatgat cagcatcctg atttgaaccc 240  
tgaaatgttg tgtanacacc ctctttgggt ccaatgaggt agttggggtg aantagcaag 300  
atgttgnnct tttctggatt tttttgccat gggttcttna cttgaccttg gacttttggc 360  
atgattctta gtcatacttt gaacttggct cattccactn tttntcagag caactcttcc 420

3727

tttgggaaaa gagttnttca natcatanac cata

454

&lt;210&gt; 4101

&lt;211&gt; 66

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4101

gccccatnacc atcttncatg agctganatc ccttcaaaat caagaggggg cgatgcntgg 60  
cagcta 66

&lt;210&gt; 4102

&lt;211&gt; 68

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

3728

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4102

ggatcatcac ctgtaaagca gagctatatt aagccaagnn ncaggaagca gtagaangct 60  
aatcttgn 68

&lt;210&gt; 4103

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4103

ggcctgaagc acattgtcaa agatgaaagc tcttttgggg aaaagggctc tccngtggaa 60  
tcatcccttg tcatagcatg tggctctaaa ttttcagcct cattcacagt agcttgcat 120  
gttgattgc ttttgggaca cctgtgtttt atctggaaat gtagacagga atagcggttt 180  
ttttgtatg tgtattatat attgtttcac tgctaattct ctacacaatt ttttagaata 240  
aaaaagggta aatagcttgt gccattttgc taattacata gatttgactt ttgatcacat 300  
aaataaaaaa taaaacaagg caggacattg tcctgcacat agttgaaaa 349

&lt;210&gt; 4104

&lt;211&gt; 227

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

3729

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

<220>  
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<222> (72)  
<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
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<222> (121)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
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<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

## 3730

<400> 4104  
gaacgctggt acgccngcng ggaccgggtcc ggaattcccg ggncgaccca cgcgtccgat 60  
cgaangegcc gntgagacct cagcettgac ctccctcaga cngggccggg accctgagcc 120  
nctgcncaaa gccacccgcc ccgacgtact taggcggnat agccctgaga cctctggnc 180  
gcgccaggca ngcancgggg gcgaaagagg cctgggnctg agacttc 227

<210> 4105

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c



3731

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<400> 4105  
ctncaggggcc cangttcgag accnaaaccc ccaggnagcc aaaacntctc ttgaaaagca 60  
cagggaccga ccaggggaga tggggaggag atatggagtg agacacctgc tccagaagaa 120  
gccagcnttc tctanncagg gngcnaa 147

<210> 4106  
<211> 190  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>

3732

<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<400> 4106  
cgcccnagac cncggttgg aacgacctac tatagggaan gcnggtacgc ctgcaggtac 60  
cgggtccggaa ttcccgggtc gaccacgcgc tccgaaaagt agccctcttt ctcctggatc 120  
ttgctgaggg agnggctngg ggggtggggg agataaaaaa gaacttaaaa tgggnaaagn 180  
aagaaatgnt 190

<210> 4107  
<211> 625  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (14)  
<223> n equals a,t,g, or c

<220>  
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<222> (26)  
<223> n equals a,t,g, or c

<220>

3733

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<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
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<222> (349)  
<223> n equals a,t,g, or c

<220>  
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<222> (425)  
<223> n equals a,t,g, or c

<220>  
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<222> (504)  
<223> n equals a,t,g, or c

<220>  
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<222> (542)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (546)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (609)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (619)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (622)  
<223> n equals a,t,g, or c

<400> 4107  
ctgtgagctn tcgncatatag ttttgngctn gtaccctgc aggtaccggt ccggaattcc 60

## 3734

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cgggtcgacc cacgcgtccg gtctacaacc acgtaatatc cttttcatca gccttatgaa 120
atattccccc aatttatcca agtcaggatt tcagtatgca gaagtcta atcatcttgg 180
agagttcatt gtgcctcccc catatccaag accatttact aaaaccttag ntcagtcttt 240
aaagagtcac aagatcctat tatgcctagt tttttttcca gtcttttaag tctattcctt 300
accttgccaa aaaagtacct gtttctatgg ttttaacaaat ggagcttana atatggaact 360
atgacaaaaa tacctgctac atgcttcctt ctgtatgaat acatgagacc taccttcatt 420
catgnttcct ctatgaagct ttccctgcac tccaaacaca gagctgagac ttccacctaa 480
tgtagaaaagc tagcacgagc cggngctgac agatggaaga cttgagatgg tacaagatta 540
tntatnggaa acacaaaagg gagatacccc gagccatgac agactgggat ggggctgggg 600
ggacaggtna agcaagacnt tnata 625
```

<210> 4108

<211> 64

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 4108

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ggttctagat cgcgagtggc cgcccttttt ttttgggntt ttttttctt nancataaaa 60
cgnn 64
```

<210> 4109

<211> 56

<212> DNA

<213> Homo sapiens

<220>

3735

<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<400> 4109  
gctcaaggtc tcctccttcc ctcccccccc ccnccggna tggtttnngng atataa 56

<210> 4110  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

3736

<220>  
 <221> misc feature  
 <222> (430)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (453)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (498)  
 <223> n equals a,t,g, or c

<400> 4110  
 gtgttagaag gaccaaggga gaatgggttg aaggcatgtc atagaaggag aagataaaga 60  
 aagcccagat gatttttgcc tgtagaagag gagggctgat gggattcaac tgcctaagtt 120  
 tgtatctaaa tcttggttta tggaattgag gttacatttt gtttgatgg ctcttaagaa 180  
 cagaattcag atttctgcct ttgaaaaagg ggaaaccctt taccaattan gattattaaa 240  
 aaatggaatt tctctgcatt ttgagatagt aaactctaca ttgaagtatt ctgctacttg 300  
 ttanaaaatt tgntcaaaaac tttaagcatt aaatggggaa ttggtctgga tgactgttaa 360  
 gatccccaag agaatccaaa tttttgatct tagctgcaat taaagatggt tataaatgct 420  
 taacanctgn tctacctact tccttattct tangatgtat tactattnca tattttaaag 480  
 atcactcaag gaccattnaa tc 502

<210> 4111  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (47)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (71)  
 <223> n equals a,t,g, or c

3737

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 4111  
gctcaaggtc tcttccttcc ctcccccccc tcccccgctc gggcttnact tcctttcnta 60  
cttggattct nctgctagct gcctcccatn atcttttttg gaggcccgtc tcttgctgtg 120  
gggaagantg ggctggctg 139

<210> 4112  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
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<222> (141)  
<223> n equals a,t,g, or c

3738

<220>  
 <221> misc feature  
 <222> (155)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (217)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (329)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (331)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (369)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (373)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (376)  
 <223> n equals a,t,g, or c

<400> 4112  
 gtaaccttag tangatagaa cttcatntgg nagggccagc tggtagcct gcaggtaccg 60  
 gtccggaatt cccgggtcga cccacgcgtc cgtttgaatt tttgagttat caatgtactg 120  
 aagtctcttt ntaatnttat ngggtggttc agtgnggtca gngccttgag tgtttcaaga 180  
 tctctattct ggatttttagt ttagctttta ttgactntct aggttgtggc cattgcctga 240  
 aatacatgac agtgagctca cagaaacctt atactttgaa tttcacaaaa atcatataat 300  
 gttaggttct tgcttgcttt ccctttatnt nttttactgt caataaaata ctgatcctga 360  
 aaaaaaana aanaana 377

<210> 4113  
 <211> 530



3739

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<400> 4113  
cgattaactg ccnatcatca cctcatttgc tttttttgac aacatactac tagaaaccta 60  
ggctgtgagt gtaaaacccat aactgtttaga atcatttttt tggcaatagc tcacattctg 120

## 3740

```

ttaagagtca tttgctttaa tcaaagatca tgatttatta tatatttttt ataagtaggg 180
atggggccaa gattattcct ttggcacagc agtaagtgtg ctcaagatct ttgcctgtaa 240
gcttgaatat ttggcttaaa ttttgtgcat atgaatactg ntaaaggat atttgactac 300
at ttgtgaaag gaaaaaggta gtcctgctaa aattgacatt tagggatatt ttaatctatg 360
tatttggtaa aggtaattag tgaangtatt aagttatnaa aattttaagg gaaaacattt 420
aaaaagcaaa atagtccgta tcagatnaat agaggtagaa taccactnna gattaaacaa 480
ggcncgtgta ncaatgaagg ttgtcttggt cagacgactg agatatttaa 530

```

<210> 4114

<211> 68

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<400> 4114

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ggaaaagaga aagagaaaag gaattaattc aatcctggca gaantgattt atatnctgat 60
tngancna 68

```

<210> 4115

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

3741

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
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<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<400> 4115  
cgcggtggggt accggtncgg aatggccggg aagaccang cgtacgaaaa aaattatctg 60  
ggttaataag ganatntata aaaggcncaa gaatctgagg actagatgtc ataaatatga 120  
aataggtaaa aacaaggtca cnagaaaatg ggtanttaag aacttanctg gtgnggtaag 180  
aagcatag aantggaaag gtaagaactt g 211

3742

&lt;210&gt; 4116

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4116

aaaagaaaaa cntnaaataa ntgacttgat ttacacaaac atccttcct tttctacaag 60  
ttaattnttt tacaatcat tngggatatc tctaaatag g 101

&lt;210&gt; 4117

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3743

<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3744

<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<400> 4117  
ggccatttct cacagaagat tnacactgga agctgatgaa aggatngaata aatggagagc 60  
accactttcc tgcantctgat cacacagcaa acataaana tggatngnca atntatttgg 120  
aggcacagcg cccccccggg gtggccaagc ttggaagtcc tgttcttaca aaattgctca 180  
ctgcctctac cccatgtcag atcttataaa ggtgcagcaa gtgtggcaat aagcagactg 240  
aggaaggcat aaagggtctg atgtgaagca nagaaggcag aggnnggtga nggtttggag 300  
taaaatcgag aatggccatg aagatttgac caaggagctc tgagattgag aaggaattan 360  
aacgaagtcc acagggaagt tgagaaaatt ggcagaaaat tngaagagga gggnttcaac 420  
aggagatgat caanattaan 440

<210> 4118  
<211> 69  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)

3745

<223> n equals a,t,g, or c

<400> 4118

gcaagtactg caagaaatgg caggatgagg gatggcaaga aagcagctgg naanaaaggg 60  
atttnanna 69

<210> 4119

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 4119

gcgaggcgct gctggcgagc tggagccagg cacagctgag cgacggggag ctgggccgcg 60  
aggtggacgc ctggctgcgc cgcgcccnag aacaagtacc ccgcggngcg cntgcgccag 120  
nagntgcanc gcgtgtggcg cgggcacacg gacaaggtgt tggggctggc ccgggccctg 180  
tgggcccagg gacggc 196

<210> 4120

<211> 198

<212> DNA

<213> Homo sapiens

3746

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<400> 4120  
ggggattgtg ggaggagccc ctgggggcct ggncgtgtcct ccaccagaac ttggcattgc 60  
tgccaacana ggatctgtgc ctcagctgaa gactagctcc ggaatgtcat aanggggtgtg 120  
actgtgtatg ccttctnctt cttctcgatt ntgtggcatg gcacaagttg gctgggtgct 180  
ttnacctttc ccatggtn 198

<210> 4121  
<211> 93  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c



3747

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<400> 4121  
aattcctntn tcgatccacg cntccgcaat gtcnnggan atagtaatta attaagaaa 60  
tcgtgcaccc ttgttaccta gaatgcacgg atg 93

<210> 4122  
<211> 52  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<400> 4122  
gaaaaaaaaat agctgtncaa taagtagatt taangnaatt agaacacttt at 52

<210> 4123  
<211> 338  
<212> DNA

3748

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

3749

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4123

```
ttcctgggcg ancacgcgtc cgggagagct cccctgcac cgtggggcnc agccagagaa 60
ggcctgggac naanaccacac tggggggcct cccacggagc agccagaggg gcnaggctgg 120
gtggggggcc ggagcacctg ctgcacctgt attcaggggtg gatttttaag naagatctcg 180
ttgtagccgt gtcgctttcc taccaggagg cccatgacat ccggctgtct ctctggtaat 240
gttcatatca atgacggttg ttacctngt cattatctca ctggggctgt nacnggggan 300
agtttattct atactttctt catttaccan ctgcaatg 338
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&lt;210&gt; 4124

&lt;211&gt; 169

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3750

<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<400> 4124  
aacctantgc cattcgggcn tttntatcag natcttttct aattgngagc atgtgtatga 60  
gactattttat acccaaggat atgaaggaac ataatgtgac tacaaggctc taataagcca 120  
cngagggcag gaggctnang cggttctgtt nactaaattt ntctcctgt 169

<210> 4125  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)

3751

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<400> 4125

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aacattctat gcatatttgg ttgttatacc aattcatnaa tgaattcata aaatgactat 60
gaaaaaaatt atatgctatg ggatactggc aacagtgcac atatttcata accaaattag 120
cagcaccggg cttaatttga tgtttttcaa cttttattca ttgagatgtt ttgaagcaat 180
taggatatgt gtgtttactg tactttntgg tttgatcccg gntgtataaa tgatagcant 240
atctnggaca catttgaaat acaaaatgnt ttgt                                     274
```

<210> 4126

<211> 151

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3752

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4126

```
tcggggtttcc ccgggggaaaa tttcccccg gggnttcggg acccccnacc ggccgttccc 60
cgnacncctt ggtttgggtt tttaaattaaa aagggttttt tttcaacntt cttgggccaa 120
aaaaaaaaaa aaaatntttt tataaaaaag t                                     151
```

&lt;210&gt; 4127

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (129)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

3753

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (193)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (210)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4127

```

gtcaggtgac ggcaggtgtc tnaccgctcg acncggcccc tgccctctgg acgtgcgcg 60
ctccaggtnc ccgcggccct ccgccacgcc agctctcncg gtcttagcaa caaggnggct 120
gaccgccggn ccctgcagcg gctgatcccg tggncctgc agaccacgcc aacaccagc 180
ggtcccagag cgncgccct gctaccgcgn gtggngggca cccgatggcc ggcgagggng 240
c 241

```

&lt;210&gt; 4128

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 4128

```

gaacctagta acctccagat cccagaggct ctccctcacct cagctgagct cctttgaaag 60
tgattcaagg gactatgtca ctccagcctca tttgctggac caaatctgga gggagaaccc 120
ctaaaacccc taagtgaggt tgcccagggg gttgtcccca ggtgggggga agcagggggag 180
agaaaatggt agccattttt acattgtttt gtatagtatt tattgattca ggaaacaaac 240
acaaaattct gaataaaatg acttggaaac tgccaaaaaa aaaaaa 286

```

&lt;210&gt; 4129

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

3754

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<400> 4129  
gggccaaagg gtttaacccc cnggggttcc ccccggggna aanaatttnn ccccgggggg 60  
gggttcccggg aaaccccccc aaagggggccc gggttttcccc cgtnaaaaac ccttttcact 120  
tttgggggggn ttntaanaaa aagaaanata c 151

<210> 4130



3755

&lt;211&gt; 149

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4130

nggangtgga aagctggtn cgcctgcaggt accgggtccgg aattccccggg tcgacccacg 60  
cggttcgagag tgtctaattc tgcantcatg gcgcangaag aggaagatgc tananattac 120  
aatttgacct gaanaacata aggcgatca 149

&lt;210&gt; 4131

&lt;211&gt; 266

3756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (265)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4131

gctgtatacn nttaagagat ttctgacatt tattctttaca cttaaaggat caactctagg 60  
atttaggcac gttaacttct gtngtgtttt gaatctctcc agagttgcac gtagatagca 120

3757

tttatttctg tgcctttaa cccatttana aaataactac aaagtaaaaa thtagaggaa 180  
atagaaatgt attttttcat gaacattttg atacaaattt catcatttaa tgattcacca 240  
nagttctccg tntngtcnat tttana 266

<210> 4132

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

3758

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4132

```
gnnttttgatt anatnaatta gacntaatta aattagacgg tattccctaa aatgtataaa 60
tgtgtcactt tttaaactcg aaagccttct gatgatcaca atactntatn nggctataaa 120
tnnaatccac at 132
```

&lt;210&gt; 4133

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4133

```
gattgttgcc tttcaccg agtttgacta gcagcaagcc tgtcaataaa tgtaacattg 60
gtttcactta ggtgctcttc ctgggttttag aattccctga atgggcagtt tgacaggtaa 120
atgtgggtcca aatcagtcgt tctttttacc acttaaaaaa aaaattttcc tttgtagttt 180
ttttgctgtc tccccgtagc ctaaattgtg gctgagctgc ctgaagcatt cctctgcttt 240
agaaaagaat tatccctagt ggcaaaaaan nnnn 274
```

&lt;210&gt; 4134

3759

<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<400> 4134  
gcgaactccc acctctccat ggccctgccta gccaggctgg cactgccact cacactcggc 60

## 3760

```
cccagggccc aggagggaca gtgcctggag cctgngnnag gcccagccca tctgtgtgtg 120
tgtatgtgcg tgtgatgcta cctctcctcc cgtccctctc caggggcccc gcatacacac 180
ggccatgcac gcacacactg ggccctgggcc agggccccag agctcctgcc tgagctggac 240
cttatgcaaa catctctgtg cctgctgggt aggggcacgt ctgaagggcc ctgctccaag 300
cctgcaggac cganggccac aagccggaca agggggtagc ccctggattn agcacacgaa 360
caccacacga gcacgtgccca cgcattgcctt cgngtngctc attttacaca anacccctt 420
cccgggtnac gca 433
```

<210> 4135

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<400> 4135

```
gcggacgcgt ggggtttgtt taaaaggact gtcttttatt nataattgga ntgnaaatct 60
ntg 63
```

<210> 4136

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

3761

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 4136  
gactagttct agatcgcgag cggccgctcg cgactagttc tagatcgcgga ggggcccggc 60  
gcgatctngn tctagccggc gcgtgggtcg ncccgggatt tccggaccgg nacntgctgg 120  
cgtaccagct atc 133

<210> 4137  
<211> 616  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (495)  
<223> n equals a,t,g, or c

3762

<220>  
<221> misc feature  
<222> (565)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (571)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (572)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (582)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<400> 4137  
gaactgnaag ccgaggcgga aaagatgcgg gtgtcccagc aagaattact ttctgttgat 60  
gaatctgttt aactccaga ctctgatgtg gccgcaccac agatcaacag gaacctcatc 120  
cagaaggctg gttaccttaa tcttagaaac tggcagatga gagccatgtg ctggagacct 180  
acctgcaagg ccagaggcaa gcaaaacagg gctggtcacc accacctggg agaggcttta 240  
tttcttcacc caaggcgga atctcatgtg tcagcccagg ggagccgtgg ctggagggtt 300  
gatccaggac ctggacaact gctcagtgat ggccgtggat tgcgaagacc ggcgctactg 360  
cttncagatc accacgcccc atggaaaatc gggaataatc ctccaggctg agagcanaaa 420  
ggaaaatgaa gagtggatat gtgcaataaa caacatctcc agacagatct acctgacctg 480  
acaacctga ngcangtcgc gatcaagttg aatcagaccg ctctgcaagc aagtgacttc 540  
cattacaagt tttgaaaaaa aaaanaaaaa nnggccggcc gntntaaagg atccaagctt 600  
tacgtacgcg tgcattg 616

<210> 4138  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)



3763

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

3764

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 4138

```
ccacgcgttc gcccacgcgt ccggtgtcaa ctaaattaat actgttggtta aaagtaagtt 60
gtggatcttg gtcactccac acaagctaga ttgtcttaat atttgtatgg tgcactttta 120
cttacaaaag ggaagataaa atgttttggg gaataattac caggggtctg gccagggtcaa 180
aattgggttag tccccttctc ccattcttcta attttggttag ntaatacttg gtaaaacatn 240
gggtttttta ataactcact aaaaagggtta ttctattntg gtantttgga taaaatgact 300
tgancanaan gttacagcac acgaaathtt cctttaagca aatngctctc aaatatagct 360
ttttgtcata tgcttatnca tgtttaagat gacatgaaaa ccctnacaac tntaatntta 420
aaataaattt ttctttaata nggtatt 447
```

&lt;210&gt; 4139

&lt;211&gt; 389

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c